## Report loncastuximab tesirine - Zynlonta®

Mechanism of action       Licensing status         Substance:       Authorized Indication:       Summary of clinical EFFICACY:       Cost of therapy:         loncastuximab tesirine       EMA: loncastuximab tesirine as monotherapy is indicated for the treatment of adult patients with relapsed or refractory DLBCL and HGBL, after two or more relapsed or refractory DLBCL and HGBL, after two or more lines of systemic therapy [1].       UOTIS-2 (NCT03589469) were a multicenter, open-label, single-arm, phase II trial in pts aged ≥ 18 years with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.       Epidemiology:         Brand Name:       The primary endpoint was ORR, defined as the proportion of pts with best       DLBCL is the most common subtype of NHL: or represented by DLBCL. Pts usually respond to	e is not yet known.
action         Substance:       Authorized Indication:       Summary of clinical EFFICACY:       Cost of therapy:         loncastuximab tesirine       EMA: loncastuximab tesirine as monotherapy is indicated for the treatment of adult patients with relapsed or refractory DLBCL and HGBL, after two or more relapsed or refractory DLBCL and HGBL, after two or more lines of systemic therapy [1].       UOTIS-2 (NCT03589469) were a multicenter, open-label, single-arm, phase II trial in pts aged ≥ 18 years with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.       Epidemiology: DLBCL is the most common subtype of NHL: or DLBCL is the most common subtype of NHL: or DLBCL is the most common subtype of NHL: or DLBCL is the most common subtype of NHL: or DLBCL is the most common subtype of NHL: or DLBCL is the most common subtype or NHL: o	is not yet known.
Substance:   Authorized Indication:   EMA:   Ioncastuximab   tesirine   tesirine   Indicated for the treatment of adult patients with relapsed or refractory DLBCL and HGBL, after two or more lines of systemic therapy [1].   Summary of clinical EFFICACY:   LOTIS-2 (NCT03589469)   were a multicenter, open-label, single-arm, phase II   The estimated cost of loncastuximab tesirine   The estimated cost	e is not yet known.
loncastuximab tesirine as monotherapy is indicated for the treatment of adult patients with relapsed or refractory DLBCL and HGBL, after two or more lines of systemic therapy [1].    LOTIS-2 (NCT03589469) were a multicenter, open-label, single-arm, phase II trial in pts aged ≥ 18 years with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.    Description of the treatment of adult patients with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.    Description of the treatment of adult patients with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.	e is not yet known.
tesirine indicated for the treatment of adult patients with relapsed or refractory DLBCL after two or more relapsed or refractory DLBCL and HGBL, after two or more fines of systemic therapy [1]. trial in pts aged ≥ 18 years with relapse or refractory DLBCL after two or more multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2.    Epidemiology: DLBCL is the most common subtype of NHL: or most	is not yet known.
relapsed or refractory DLBCL and HGBL, after two Brand Name: relapsed or refractory DLBCL and HGBL, after two or more lines of systemic therapy [1]. multiagent systemic treatments, who had measurable disease and ECOG performance status 0-2. Epidemiology:  DLBCL is the most common subtype of NHL: or more lines of systemic therapy [1].	
Brand Name: or more lines of systemic therapy [1]. performance status 0-2. DLBCL is the most common subtype of NHL: or	
	one in three cases of NHI is
antibody and alkylating agent conjugate indicated overall response of complete or partial response*. however in 40% of the cases the disease is recommendated.	The state of the s
Originator/licensee: for the treatment of adult patients with relapsed   Eligible pts (n=145) received loncastuximab tesirine ev on day 1 of each 21-day   incidence for DLBCL in Europe is 3.8/100 000/	
ADC Therapeutics or refractory large B-cell lymphoma after two or cycle, at 150 µg/kg for two cycles, then 75 µg/kg thereafter, for up to 1 year or	7, 1-1
(NL) B.V more lines of systemic therapy, including DLBCL until disease relapse or progression, unacceptable toxicity, death, major	
not otherwise specified, DLBCL arising from low protocol deviation, pregnancy, or patient, investigator, or sponsor decision.	
Classification: NCE grade lymphoma, and HGBL [2]. 70 of 145 pts had complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response (overall response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, there are 3 FDA-approved autologous complete or partial response rate 48.3% Currently, the complete or partial response rate 48.3% Currently complete or partial response rate	gous CAR-T cell products for
[95% CI 39.9 – 56.7]); 35 had complete response and 35 had partial response the treatment of relapsed or refractory large	B-cell lymphoma after ≥2
ATC code: L01FX22 Route of administration: IV [3].	eucel (axi-cel, Yescarta®),
*according to the 2014 Lugano classification, assessed by central review. tisagenlecleucel (tisa-cel, Kymriah®), and lisoc	cabtagene maraleucel (liso-
Orphan Status: Licensing status cel, Breyanzi®) [6].	
Eu: Yes EU CHMP P.O. date: Summary of clinical SAFETY:	
Us: Yes 15/07/2022 At least one TEAE was reported in 143 (99%) of 145% pts. The most common OTHER INDICATIONS IN DEVELOPMENT	
FDA M.A. date: grade 3 or higher TEAEs were neutropenia (37 [26%] of 145 pts), Non-Hodgkin's lymphoma, Diffuse large B cell	ll lymphoma, Follicular
Mechanism of action: 23/01/2021 thrombocytopenia (26 [18%]), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 24 lymphoma, Marginal 25 (18%]), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Mantle-cell lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (24 lymphoma, Marginal 25 (18%)), and increased gamma-glutamyltransferase (25%), and increased gamma-glutamyltransferas	zone B-cell lymphoma,
loncastuximab [17%]). Post-transplant lymphoproliferative disorder	r <b>[7].</b>
tesirine is a <b>EU Speed Approval Pathway:</b> No At least one serious TEAE was reported in 57 (39%) of 145 pts; 22 (15%) pts had	
monoclonal antibody FDA Speed Approval Pathway: No SAEs that were considered at least possibly related to loncastuximab tesirine, SAME INDICATION IN EARLIER LINE(S) OF TRI	REATMENT: No
and drug conjugate the most common of which were febrile neutropenia (four [3%]), anaemia (two	
that delivers SG3199, [1%]), pleural effusion (two [1%]), non-cardiac chest pain (two [1%]) and OTHER DRUGS IN DEVELOPMENT for the SAN	ME INDICATION:
a PBD dimer ABBREVIATIONS: pericardial effusion (two [1%]). Axicabtagene ciloleucel	
cytotoxin, to B-cell AE: adverse event 77 (53%) of 145 pts died during the study period. Most deaths (60 [78%] of 77)	
malignancies by CHMP: Committee for Medicinal Products for Human Use were due to disease progression; five (6%) of 77 pts died from fatal TEAEs (all *Service reorganization: No targeting CD19. Upon CI: confidence interval	
targeting CD15. Opon	
billiding to CD15, FCOG: Factorn Congrative Oncology Group.	
Ioncastuximab HGBL: high-grade B-cell lymphoma	
tesirine is internalised and SG3199 is MUL No. Hodelijk hymphome  Ongoing studies:  For the same indication: Yes  References:  [1]. https://www.ema.europa.eu/en/medicines/human/sum	mmaries-oninion/zvnlonta
NHL: Non-Hodgkin's lymphoma	
[3]. https://www.clinicalkey.com/service/content/pdf/water	ermarked/1-s2.0-
the formation of highly cytotoxic DNA pts: patients    S147020452100139X.pdf?locale=it IT&searchIndex=   S147020452100139X.pdf?locale=it IT&search	altri-tumori-rari/14242-linfoma-
intercrand cross SAE: serious adverse event	on-polat uzumab-vedotin
TEAE: treatment emergent adverse events	
links, which cause [6]. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC817208 cell-death [1]. [7]. https://adisinsight.springer.com/drugs/800044648	<u>юэ/риі/пійтк-тьяя512.рат</u>