## Report EVOTAZ® atazanavir/cobicistat

Product & Mechanism of action	Authorized indications	Essential therapeutic features	
iviechanism of action	Line maine etature	Essential therapeutic reatures	NHS impact
	Licensing status		
Substance:	Authorized Indication:	Summary of clinical EFFICACY:	Cost of Therapy
	EMA: ATV/co is indicated in combination with other	GS-US-216-0128 (NCT02016924)*is a phase II/III, multicentric, open-label,	In Italy, the price for 30 tabs of 300/150 mg atazanavir/cobicistat is 616.50 €
1	antiretroviral medicinal products for the treatment	multicohort, two-part study evaluating PK, safety, efficacy and antiviral activity of	
	of HIV-1 infected adults and adolescents (aged >12	ATV/co or DRV/co administered with a BR in HIV-1 infected, antiretroviral, treatment-	[7].
	years weighing at least 35 kg) without known	experienced, virologically suppressed paediatric pts. Eligible subjects were aged 3	
	mutations associated with resistance to atazanavir	months to <18 years on a stable antiretroviral regimen comprising two NRTIs and	Epidemiology:
	[2].	either ATV/rit QD or DRV/rit QD or BID for ≥ 3 months prior to screening. The study	In Italy, among 71,204 cases of AIDS reported from 1982 until 2019, just the
1 '	FDA: is a two-drug combination of atazanavir, an	proceeded in two parts (Part A and Part B), as follows:	1.1% (n=812) were paediatric cases:
, ,	HIV-1 protease inhibitor, and cobicistat, a CYP3A	• Part A (n=79): to evaluate the steady state PK and confirm the dose of ATV/co and	-pts < 13 years at the time of AIDS diagnosis = 758 cases
	inhibitor indicated for use in combination with other	DRV/co. Ptswere enrolled sequentially by cohort:	-pts >13 <18 years old, who had acquired the infection vertically = 54 cases [8].
	antiretroviral agents for the treatment of HIV-1	Cohort 1: 12 years to <18 years old	pts > 13 \ 10 \ years ord, who had dequired the infection vertically = 34 eases [o].
	infection in adults and paediatric pts weighing at	Cohort 2: 6 years to<18 years old	
	least 35 kg [3].	Cohort 3: 3 years to<6 years old	POSSIBLE PLACE IN THERAPY
7110 00001 3037 11123	16436 33 Ng [3].	Cohort 4: 3 months to <3 years old	In pts aged ≥12 years old, Italian guidelines recommend as a first-line therapy:
Orphan Status:	Route of administration: OS	• Part B: A minimum of 21 additional subjects are planned to be enrolled to evaluate	<ul><li>Backbone: ABC + 3TC/FTC or TAF + 3TC/FTC;</li></ul>
Eu: No		the safety, tolerability and efficacy of the ATV/co or DRV/co regimen.	• 3° drug: ATV/r or DRV/r or DTG or EVG/c.
	Licensing status	Cohort 1 received 300/150 mg ATV/co ( $n$ =14) or 800/150 mg DRV/co ( $n$ =8)orally QD	The second-line therapy consists of:
	EU CHMP P.O. date: 20/5/2021	with food and a BR for 48 weeks.	Backbone: ZDV+3TC or ABC+ 3TC or TAF+3TC/FTC;
	FDA M.A. date: 31/7/2020	The primary efficacy endpoints of this study were:	• •
atazanavir is an	1 D7 ( 1017 11 date: 31/1/2020	1) Percentage of subjects with HIV-1 RNA< 50 copies/mL at weeks 12, 24 and 48;	• 3° drug: LPV/r or RAL or DRV/co [9].
	EU Speed Approval Pathway: No	2) Change from baseline in CD4 cell count (cells/µl) and CD4 percentage at weeks 24	
	FDA Speed Approval Pathway: No	and 48, and every 12 weeks after week 48.	OTHER INDICATIONS IN DEVELOPMENT: No
inhibits the virus-		•	SAME INDICATION IN EARLIER LINE(S) OF TREATMENT: Yes (NCT01108510)
specific processing of	ABBREVIATIONS:	The rates of virologic suppression (HIV-1 RNA< 50 copies/mL) were 100% at week 12,	[10].
1	ABC: abacavir AE: Adverse Event	64% at week 24 and 93% at week 48 for ATV/co, and high rates of virologic	
	ATV: atazanavir	suppression were maintained beyond week 48. There were no clinically relevant	OTHER DRUGS IN DEVELOPMENT for the SAME INDICATION:
thus preventing	ATV/rit: ritonavir-boosted atazanavir	changes in CD4 cell counts and CD4 percentage[4-6].	Doravirine/Islatravir [11].
, , ,	ATV/co: cobicistat-boosted atazanavir BID: Twice a Day	*Although the study is evaluating paediatric pts who are receiving ATV/co or DRV/co, the data	
	BR: Background Regimen	submitted focuses on the ATV/co data from the Interim Analysis of Cohort 1 Part A.	*Service reorganization Y/N No
of other cells	CHMP: Committee for Medicinal Products for Human Use	Common of divisal CAFFTV	*Possible off label use Y/N Yes
1	COBI: Cobicistat  DRV: darunavir	Summary of clinical SAFETY:	
-	DRV/rit: ritonavir-boosted darunavir	AEs were reported for the 93% (13/14) of all subjects treated with ATV/co, the	References:
hased inhibitor of	DRV/co: cobicistat-boosted darunavir	majority of which were grade 1 or 2 in severity and not considered to be related to	1. <a href="https://www.ema.europa.eu/en/documents/product-nformation/evotaz-epar-product-information">https://www.ema.europa.eu/en/documents/product-nformation/evotaz-epar-product-information en.pdf</a>
	DTG: dolutegravir EVG: elvitegravir	study drug. Grade 3 AEs were reported for 14.3% of subjects, none of which were	2. https://www.ema.europa.eu/en/medicines/human/summaries-opinion/evotaz-0
	F/TAF: emtricitabine/tenofovir alafenamide	considered related to study drug. The three most commonly reported (≥ 20%) AEs in	https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/
Inhibition of CVP3A-	FTC:emtricitabina	pts treated with ATV /co were: URTI (50%), cough (21%), nasal congestion (21%). AEs	206353s007lbl.pdf
1	M.A.: Marketing Authorization NRTIs: nucleoside reverse transcriptase inhibitors	considered related to study drug were reported for 29% (4/14) of ATV /co-treated	4. https://adisinsight.springer.com/trials/700240640
I .	PI: protease inhibitor	subjects (dyspepsia, hyperbilirubinemia, jaundice, proteinuria, vomiting). No study	5.https://www.ema.europa.eu/en/documents/variation-report/evotaz-h-c-003904-ii-0038-epar-
increases the	P.O.: Positive Opinion	drug-related AEs with ATV/co were reported in more than one subject each. SAEs	assessment-report-variation en.pdf
l	pts: patients PK: pharmacokinetics	were reported for 21% of all ATV/co-treated subjects, and were not considered	6.https://2jg4quetidw2blbbq2ixwziw-wpengine.netdna-ssl.com/wp- content/uploads/sites/2/posters/2017/425 Kido.pdf
,	QD: Once a Day	related to study drug. No deaths were reported [4-6].	7. https://gallery.farmadati.it/Home.aspx
substrates such as	SAEs: Serious Adverse Events	Ongoing studies	8.https://www.salute.gov.it/imgs/C 17 pubblicazioni 2979 allegato.pdf
	TAF: tenofovir alafenamide	Ongoing studies:	9.https://www.salute.gov.it/imgs/C 17 pubblicazioni 2696 allegato.pdf
	TEAEs: Treatment Emergent Adverse Events TB: tuberculosis	• For the same indication: No	10. https://adisinsight.springer.com/trials/700055741
	URTI: Upper Respiratory Tract Infections	• For other indications: Yes	11.https://clinicaltrials.gov/ct2/show/NCT04295772?recrs=abdf&type=Intr&cond=HIV-1-
3	3TC: lamivudina	Discontinued studies (for the same indication): No	infection&age=01&phase=12&draw=2&rank=2