

**Supplementary Table S1:** Sourced data from literature on the effectiveness of the inhibitors against HIV-2

Reference	Assay type	Raltegravir	Elvitegravir	Dolutegravir	Bictegravir	Cabotegravir	Lenacapavir
Roquebert et al., 2008 [53]	In vitro phenotypic studies	2.4 nM	0.7 nM	-	-	-	-
Zheng et al., 2014 [50]	In vitro phenotypic	-	0.3 - 0.9 nM	-	-	-	-
Smith et al., 2015 [18]	In vitro phenotypic	-	-	1.1nM	-	-	-
Smith et al. 2018 [20]	Culture-based, single-cycle	-	-	-	-	1.2 - 1.7nM	-
Smith et al. 2019 [19]	Culture-based, single-cycle	-	-	-	1.4 to 5.6 nM	-	-
Link et al., 2020 [22]	In vitro clinical isolates	-	-	-	-	-	EC <sub>50</sub> value of 885 pM