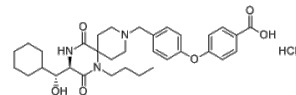


Product Name	: Aplaviroc hydrochloride
Synonyms	: AK-602; GW 873140; ONO-4128; GSK-873140
Cat No.	: M14551
CAS Number	: 461023-63-2
Molecular Formula	: C ₃₃ H ₄₄ ClN ₃ O ₆
Formula Weight	: 614.18
Chemical Name	: 4-[4-[[[(3R)-1-butyl-3-[(R)-cyclohexyl(hydroxy)methyl]-2,5-dioxo-1,4,9-triazaspiro[5.5]undecan-9-yl]methyl]phenoxy]benzoic acid hydrochloride
Description	: Aplaviroc (GSK-873140; GW 873140; AK-602; ONO-4128) is a potent, noncompetitive, allosteric antagonist of the CCR5 receptor with pK _b of 8.6; blocks the calcium response effects of CCR5 activation by CCL5, and potently blocks in vitro the infection of R5-tropic HIV-1 (R5-HIV-1) at subnanomolar IC ₅₀ . HIV Infection Phase 3 Discontinued
Pathway	: GPCR/G Protein
Target	: Chemokine Receptor
Receptor	: Chemokine Receptor
Solubility	: —
SMILES	: <chem>CCCCN1C(=O)C(NC(=O)C12CCN(CC2)CC3=CC=C(C=C3)OC4=CC=C(C(=C4)C(=O)O)C(C5CCCCC5)O)C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Watson C, et al. Mol Pharmacol. 2005 Apr;67(4):1268-82. | 2. Lalezari J, et al. AIDS. 2005 Sep 23;19(14):1443-8. | 3. Adkison KK, et al. Antimicrob Agents Chemother. 2005 Jul;49(7):2802-6. | 4. Nakata H, et al. Antimicrob Agents Chemother. 2008 Jun;52(6):2111-9.