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Product Datasheet

ATI-2341 (orb1685617)

Catalog Number	orb1685617
Category	Proteins
Description	ATI-2341 is a pepducin and allosteric agonist of CXCR4 that activates the Gi protein pathway, leading to reduced cAMP levels and calcium mobilization. This compound is a valuable research tool for studying CXCR4 signaling in cancer metastasis, stem cell migration, and immune cell trafficking in both in vitro and in vivo models.
Target	CXCR
MW	2256.82
Solubility (25°C)	Ethanol: 2 mg/mL (0.89 mM), Sonication is recommended. DMSO: 93 mg/mL (41.21 mM), Sonication is recommended. H2O: 1 mg/mL.
CAS Number	1337878-62-2
Formula	$C_{104}H_{178}N_{26}O_{25}S_2$
SMILES	[C@@H](CC1=CC=C(O)C=C1)(NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@@H](NC([C@H](CC2=CC=C(O)C=C2)NC(CNC([C@@H](NC(CCCCCCCCCCCCCCC)=O)CCSC)=O)=O)=O)CCC(N)=O)=O)CCCCN)=O)CCCCN)=O)CC(C)C)=O)CCCNC(=N)N)=O)CO)=O)CCSC)=O)[C@@H](C)O)=O)CC(O)=O)=O)CCCCN)=O)C(N[C@H](C(N[C@@H](CC(C)C)C(O)=O)=O)CCCNC(=N)N)=O
Storage	The powder form, stored at −20 °C for up to 3 years. The solutions should be stored at −80 °C for up to 1 year. Keep away from moisture, store at low temperature, keep away from direct sunlight.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.
7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558