


Product datasheet

Apelin 17, Endogenous apelin receptor (APJ) agonist ab141011

[2 References](#) [1 Image](#)

Overview

Product name	Apelin 17, Endogenous apelin receptor (APJ) agonist
Description	Endogenous apelin receptor (APJ) agonist
Biological description	Endogenous apelin receptor (APJ) agonist ($EC_{50} = 2.5 \text{ nM}$). Potent inhibitor of forskolin-stimulated increases in cAMP ($pEC_{50} = 10.09$). Inhibition of HIV-1 and HIV-2 entry into cells expressing APJ, with potency in the order of apelin 17 > apelin 13 (ab141010).
Purity	> 95%
CAS Number	217082-57-0
Chemical structure	

Properties

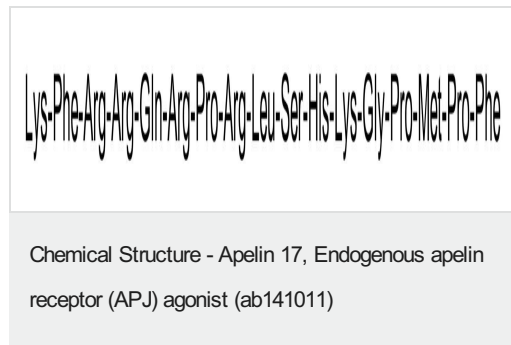
Molecular weight	2138.56
Molecular formula	$C_{96}H_{156}N_{34}O_{20}S$
Sequence	KFRRQRPRLSHGKPMPPF
PubChem identifier	16130452
Storage instructions	Store at -20°C . Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 10 mg/ml
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>O=C(N[C@@H](CCCCNC(=N)N)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CCCCNC(=N)N)C(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CO)C(=O)N[C@@H](Cc2cncn2)C(=O)N[C@@H](CCCCN)C(=O)NCC(=O)N5CCC[C@H]5C(=O)N[C@@H]</chem>

(CCSC)C(=O)N4CCC[C@H]4C(=O)N[C@@H](Cc3ccccc3)C(=O)O[C@H](CCC(N)=O)NC(=O)
[C@H](CCCNC(=N)N)NC(=O)[C@H](CCCNC(=N)N)NC(=O)[C@H](Cc6ccccc6)NC(=O)
[C@@H](N)CCCCN

Source

Synthetic

Images



2D chemical structure image of ab141011, Apelin 17, Endogenous apelin receptor (APJ) agonist

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