

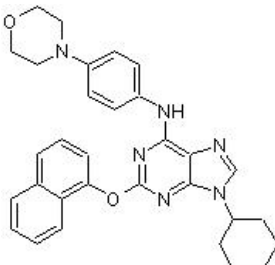
Product datasheet

Purmorphamine, Smoothened receptor agonist

ab120933

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

Overview

Product name	Purmorphamine, Smoothened receptor agonist
Description	Smoothened receptor agonist
Biological description	Smoothened (Smo) receptor agonist ($EC_{50} \sim 1 \mu M$). Induces osteogenesis in mouse mesenchymal progenitor cells . When combined with BMP-4, can transdifferentiate pre-adipocytes and myoblasts into osteoblasts. Induces differentiation of multipotent mesenchymal progenitor cells into osteoblasts.
Purity	> 98%
CAS Number	483367-10-8
Chemical structure	

Properties

Chemical name	9-Cyclohexyl- <i>N</i> -[4-(4-morpholinyl)phenyl]-2-(1-naphthalenyloxy)-9 <i>H</i> -purin-6-amine
Molecular weight	520.63
Molecular formula	C ₃₁ H ₃₂ N ₆ O ₂
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM
Handling	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 month. 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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

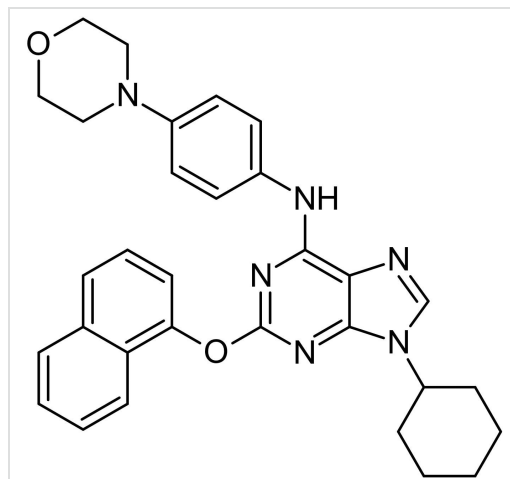
SMILES

O1CCN(CC1)c1ccc(cc1)Nc1nc(Oc2cccc3ccccc23)nc2c1ncn2C1CCCCC1

Source

Synthetic

Images



2D chemical structure image of ab120933, Purmorphamine,
Smoothened receptor agonist

Chemical Structure - Purmorphamine, Smoothened
receptor agonist (ab120933)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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