

PF 04449913 maleate

Chemical Properties

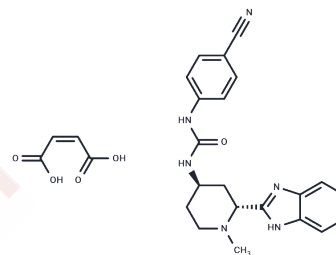
CAS No. : 2030410-25-2

Formula: C₂₅H₂₆N₆O₅

Molecular Weight: 490.52

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Potent Smo antagonist (IC ₅₀ = 5 nM). Attenuates the leukemia-initiation potential of AML cells in a serial transplantation mouse model. Also eliminates self-propagation capacity of AML cells.
Targets(IC ₅₀)	Others,Smo

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0387 mL	10.1933 mL	20.3865 mL
5 mM	0.4077 mL	2.0387 mL	4.0773 mL
10 mM	0.2039 mL	1.0193 mL	2.0387 mL
50 mM	0.0408 mL	0.2039 mL	0.4077 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Munchhof et al (2011) Discovery of PF-04449913, a potent and orally bioavailable inhibitor of smoothened. ACS Med.Chem.Lett. 3 106 PMID:24900436

Fukushima et al (2016) Small-molecule Hedgehog inhibitor attenuates the leukemia-initiation potential of acute myeloid leukemia cells. Cancer Sci. 107 1422 PMID:27461445

Giordani et al (2016) The human Smoothened inhibitor PF-04449913 induces exit from quiescence and loss of multipotent Drosophila hematopoietic progenitor cells. Oncotarget 7 55313 PMID:27486815

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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