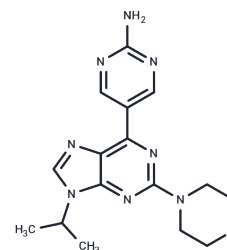


Desmethyl-VS-5584

Chemical Properties

CAS No. :	1246535-95-4
Formula:	C ₁₆ H ₂₀ N ₈ O
Molecular Weight:	340.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Desmethyl-VS-5584, a dimethyl analog of VS-5584, is a novel and highly selective PI3K/mTOR kinase inhibitor used for cancer treatment.
Targets(IC50)	mTOR,PI3K

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.9379 mL	14.6895 mL	29.3789 mL
5 mM	0.5876 mL	2.9379 mL	5.8758 mL
10 mM	0.2938 mL	1.4689 mL	2.9379 mL
50 mM	0.0588 mL	0.2938 mL	0.5876 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.

Reference

- Shao Z, et al. VS-5584, a Novel PI3K-mTOR Dual Inhibitor, Inhibits Melanoma Cell Growth In Vitro and In Vivo. PLoS One. 2015 Jul 23;10(7).
- Kolev VN, et al. PI3K/mTOR dual inhibitor VS-5584 preferentially targets cancer stem cells. Cancer Res. 2015 Jan 15; 75(2):446-55.

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