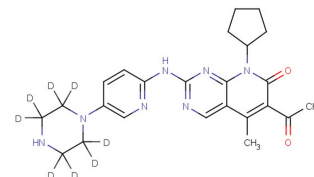


Palbociclib D8

Chemical Properties

CAS No.:	1628752-83-9
Formula:	C ₂₄ H ₂₁ D ₈ N ₇ O ₂
Molecular Weight:	455.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Palbociclib D8 is a deuterium labeled Palbociclib. Palbociclib is a selective and orally active inhibitor of CDK4 and CDK6 (IC ₅₀ s of 11 and 16 nM, respectively).
Targets(IC ₅₀)	Cdk4/cyclin D3: 9 nM Cdk4/cyclin D1: 11 nM Cdk6/cyclin D2: 16 nM DYRK1A: 2000 nM MAPK: 8000 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.195 mL	10.975 mL	21.95 mL
5 mM	0.439 mL	2.195 mL	4.39 mL
10 mM	0.22 mL	1.098 mL	2.195 mL
50 mM	0.044 mL	0.22 mL	0.439 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Fry DW, et al. Specific inhibition of cyclin-dependent kinase 4/6 by PD 0332991 and associated antitumor activity in human tumor xenografts. Mol Cancer Ther. 2004 Nov;3(11):1427-38.

Inhibitors · Natural Compounds · Compound Libraries

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