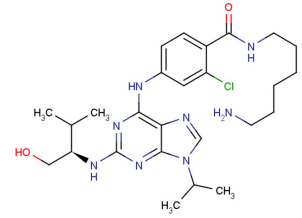


Data Sheet (Cat.No.T12562)

Protein kinase affinity probe 1

Chemical Properties

CAS No.:	2098621-90-8
Formula:	C ₂₆ H ₃₉ ClN ₈ O ₂
Molecular Weight:	531.09
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Protein kinase affinity probe 1 is a protein kinase affinity probe for the functional identification of protein kinases (PKs).
Targets(IC ₅₀)	Others: None
In vitro	In a series of pull-down experiments from the lysates of HeLa cells, the effects of 0.1, 0.5, 1, 2, 5, 10, 25, and 50% loadings of PK inhibitors is determined. Examine higher bead loadings (75 and 100%) are prevented due to lack of compound solubility and poor reproducibility of the synthesis outcomes. 50% loading is the highest feasible in this study[1].

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	1.883 mL	9.415 mL	18.829 mL
5 mM	0.377 mL	1.883 mL	3.766 mL
10 mM	0.188 mL	0.941 mL	1.883 mL
50 mM	0.038 mL	0.188 mL	0.377 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. Deane FM, et al. FD5180, a Novel Protein Kinase Affinity Probe, and the Effect of Bead Loading on Protein Kinase Identification. ACS Omega. 2017 Jul 31;2(7):3828-3838.

Inhibitors · Natural Compounds · Compound Libraries

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