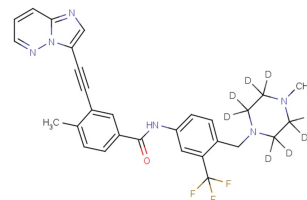


Ponatinib D8

Chemical Properties

CAS No.:	1562993-37-6
Formula:	C ₂₉ H ₁₉ D ₈ F ₃ N ₆ O
Molecular Weight:	540.61
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Ponatinib D8 is a deuterium labeled Ponatinib. Ponatinib is an orally active inhibitor of multi-targeted kinase(Abl, PDGFR α , VEGFR2, FGFR1, and Src with IC ₅₀ s of 0.37 nM, 1.1 nM, 1.5 nM, 2.2 nM, and 5.4 nM, respectively).
Targets(IC ₅₀)	c-Kit: 12.5 nM VEGFR2: 1.5 nM FGFR1: 2.2 nM PDGFR α : 1.1 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	1.85 mL	9.249 mL	18.498 mL
5 mM	0.37 mL	1.85 mL	3.7 mL
10 mM	0.185 mL	0.925 mL	1.85 mL
50 mM	0.037 mL	0.185 mL	0.37 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. O'Hare T, et al. AP24534, a pan-BCR-ABL inhibitor for chronic myeloid leukemia, potently inhibits the T315I mutant and overcomes mutation-based resistance. Cancer Cell, 2009, 16(5), 401-412.

Inhibitors · Natural Compounds · Compound Libraries

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