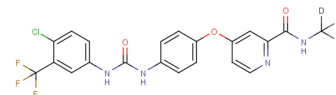


Sorafenib (D3)

Chemical Properties

CAS No.:	1130115-44-4
Formula:	C ₂₁ H ₁₃ D ₃ ClF ₃ N ₄ O ₃
Molecular Weight:	467.84
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Sorafenib is a multikinase inhibitor (IC ₅₀ s: 6 nM, 20 nM, and 22 nM for Raf-1, B-Raf, and VEGFR-3, respectively). Sorafenib D3 is the deuterium-labeled Sorafenib.
Targets(IC ₅₀)	Others: None

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	2.137 mL	10.687 mL	21.375 mL
5 mM	0.427 mL	2.137 mL	4.275 mL
10 mM	0.214 mL	1.069 mL	2.137 mL
50 mM	0.043 mL	0.214 mL	0.427 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. Wilhelm SM, et al. BAY 43-9006 exhibits broad spectrum oral antitumor activity and targets the RAF/MEK/ERK pathway and receptor tyrosine kinases involved in tumor progression and angiogenesis. Cancer Res. 2004 Oct 1;64(19):7099-109.

Inhibitors · Natural Compounds · Compound Libraries

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