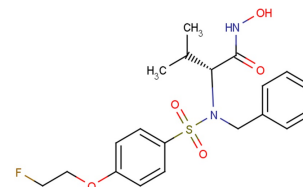


BR351

Chemical Properties

CAS No.:	960113-85-3
Formula:	C ₂₀ H ₂₅ FN ₂ O ₅ S
Molecular Weight:	424.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	BR351 is a brain penetrant MMP inhibitor (IC ₅₀ s: 4, 2, 11, 50 nM for MMP2, MMP8, MMP9 and MMP13).
Targets(IC ₅₀)	MMP-9: 11 nM MMP-2: 4 nM MMP-8: 2 nM MMP13: 50 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	2.356 mL	11.779 mL	23.558 mL
5 mM	0.471 mL	2.356 mL	4.712 mL
10 mM	0.236 mL	1.178 mL	2.356 mL
50 mM	0.047 mL	0.236 mL	0.471 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. Wagner S, et al. Novel fluorinated derivatives of the broad-spectrum MMP inhibitors N-hydroxy-2(R)-[[[(4-methoxyphenyl)sulfonyl](benzyl)- and (3-picolyl)-amino]-3-methyl-butanamide as potential tools for the molecular imaging of activated MMPs with PET. J Med Chem. 2007 Nov 15;50(23):5752-64.

Inhibitors · Natural Compounds · Compound Libraries

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