

DMPQ dihydrochloride

Chemical Properties

CAS No.:	1123491-15-5
Formula:	C ₁₆ H ₁₄ N ₂ O ₂ ·2HCl
Molecular Weight:	339.22
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	PDGFR β inhibitor
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Solubility Information

Solubility	H ₂ O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.948 mL	14.74 mL	29.479 mL
5 mM	0.59 mL	2.948 mL	5.896 mL
10 mM	0.295 mL	1.474 mL	2.948 mL
50 mM	0.059 mL	0.295 mL	0.59 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. Samuni A1, Samuni A, Swartz HM. The cellular-induced decay of DMPO spin adducts of ·O₂- and ·OH. Free Radic Biol Med. 1989; 6(2):179-83.
2. Tosaki A1, Blasig IE, Pali T, et al. Heart protection and radical trapping by DMPO during reperfusion in isolated working rat hearts. Free Radic Biol Med. 1990; 8 (4):363-72.

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