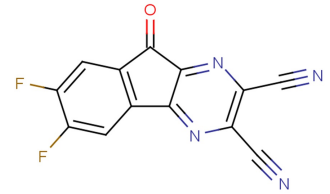


Data Sheet (Cat.No.T13799)

NQO1 substrate

Chemical Properties

CAS No.:	2304503-05-5
Formula:	C ₁₃ H ₂ F ₂ N ₄ O
Molecular Weight:	268.18
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	NQO1 substrate acts as a NQO1 substrate, has the potential to treat NQO1-overexpressing drug-resistant NSCLC.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 125 mg/mL (466.10 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.729 mL	18.644 mL	37.288 mL
5 mM	0.746 mL	3.729 mL	7.458 mL
10 mM	0.373 mL	1.864 mL	3.729 mL
50 mM	0.075 mL	0.373 mL	0.746 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. Wu X, et al. Discovery of Nonquinone Substrates for NAD(P)H: Quinone Oxidoreductase 1 (NQO1) as Effective Intracellular ROS Generators for the Treatment of Drug-Resistant Non-Small-Cell Lung Cancer. *J Med Chem.* 2018 Dec 27;61(24):11280-11297.

Inhibitors · Natural Compounds · Compound Libraries

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