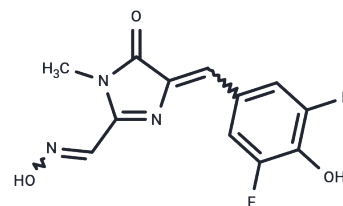


DFHO

Chemical Properties

CAS No. : 1420815-34-4
Formula: C₁₂H₉F₂N₃O₃
Molecular Weight: 281.21
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DFHO is a Corn homologous ligand that fluoresces yellow upon excitation and is used to image RNA in living cells.
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Solubility Information

Solubility	DMSO: 80 mg/mL (284.48 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5561 mL	17.7803 mL	35.5606 mL
5 mM	0.7112 mL	3.5561 mL	7.1121 mL
10 mM	0.3556 mL	1.778 mL	3.5561 mL
50 mM	0.0711 mL	0.3556 mL	0.7112 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wenjiao Song, et al. Imaging RNA polymerase III transcription using a photostable RNA-fluorophore complex. Nat Chem Biol. 2017 Nov;13(11):1187-1194.

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