Data Sheet (Cat.No.T30874)



Chemodosimeter 1

Chemical Propert	ties
CAS No. :	1643616-33-4
Formula:	С13Н1006
Molecular Weight:	262.21
Appearance: 🦲	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

Biological Description	e
Description	Chemodosimeter 1 is designed as a highly selective phosphate ion (PI) sensor capable of demonstrating exogenous and endogenous ATP-catalysed PI production and is the first probe capable of tracking PI production and enrichment through half-channel closure in SF9 cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8137 mL	19.0687 mL	38.1374 mL
5 mM 📀	0.7627 mL	3.8137 mL	7.6275 mL
10 mM	0.3814 mL	1.9069 mL	3.8137 mL
50 mM	0.0763 mL	0.3814 mL	0.7627 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

Zhang JF, Guo LE, Zang TN, Duan YL, Liu XY, Yang Z, Verwilst P, Luo K, Wang GK, Kou JF, Zhou Y, Kim JS. Highly selective in vivo imaging of endogenous/exogenous phosphate ion over ATP and PPi. Chem Asian J. 2015 May;10

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481