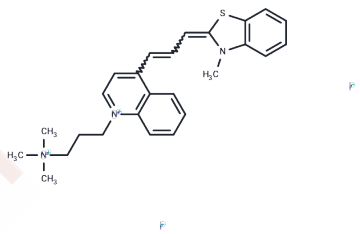
Data Sheet (Cat.No.T34903)

TargetMol

TO-PRO3 iodide

Chemical Properties



CAS No. : 157199-63-8

Formula: C26H31I2N3S

Molecular Weight: 671.42

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	TO-PRO3 iodide is a nucleic acid stain that can stain the nucleus of cells in different states, including living, early apoptotic, and necrotic cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4894 mL	7.4469 mL	14.8938 mL
5 mM	0.2979 mL	1.4894 mL	2.9788 mL
10 mM	0.1489 mL	0.7447 mL	1.4894 mL
50 mM	0.0298 mL	0.1489 mL	0.2979 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Hennige AM, Ranta F, Heinzelmann I, Düfer M, Michael D, Braumüller H, Lutz SZ, Lammers R, Drews G, Bosch F, Häring HU, Ullrich S. Overexpression of kinase-negative protein kinase Cdelta in pancreatic beta-cells protects mice from diet-induced glucose intolerance and beta-cell dysfunction. Diabetes. 2010 Jan;59(1):119-27. doi: 10.2337/db09-0512. Epub 2009 Oct 13. PubMed PMID: 19826167; PubMed Central PMCID: PMC2797912.

Vaughan KR, Stokes L, Prince LR, Marriott HM, Meis S, Kassack MU, Bingle CD, Sabroe I, Surprenant A, Whyte MK. Inhibition of neutrophil apoptosis by ATP is mediated by the P2Y11 receptor. J Immunol. 2007 Dec 15;179(12): 8544-53. PubMed PMID: 18056402; PubMed Central PMCID: PMC2292245.