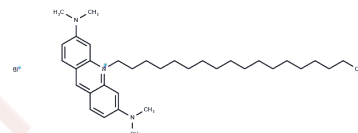


10-Octadecylacridine orange bromide

Chemical Properties

CAS No. :	75168-16-0
Formula:	C35H56BrN3
Molecular Weight:	598.74
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	10-Octadecylacridine orange (bromide) serves as a versatile dye, instrumental in both scientific and industrial applications. Within the realm of biological experiments, this dye facilitates the observation and analysis of cell structures, enables tracking of biomolecules, assists in cell function evaluation, aids in distinguishing cell types, detects biomolecules, supports tissue pathology studies, and monitors microorganisms. Its use extends beyond basic research into a broad spectrum of clinical diagnostics. Additionally, the dye is prevalent in traditional sectors like textile dyeing and in innovative areas including functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6702 mL	8.3509 mL	16.7017 mL
5 mM	0.334 mL	1.6702 mL	3.3403 mL
10 mM	0.167 mL	0.8351 mL	1.6702 mL
50 mM	0.0334 mL	0.167 mL	0.334 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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