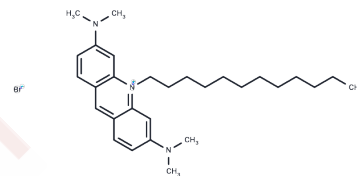


10-Dodecylacridine Orange Bromide

Chemical Properties

CAS No. :	41387-42-2
Formula:	C ₂₉ H ₄₄ BrN ₃
Molecular Weight:	514.58
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	10-Dodecylacridine Orange Bromide serves as a versatile dye utilized across various domains. This multifunctional dye is crucial in biological experiments, assisting researchers in observing and analyzing cell structures, tracking biomolecules, evaluating cell functions, differentiating cell types, detecting biomolecules, studying tissue pathology, and monitoring microorganisms. Its applications extend from fundamental scientific research to a broad array of clinical diagnostics. Additionally, dyes like this are not only prevalent in conventional areas such as textile dyeing but also in burgeoning sectors including functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9433 mL	9.7167 mL	19.4333 mL
5 mM	0.3887 mL	1.9433 mL	3.8867 mL
10 mM	0.1943 mL	0.9717 mL	1.9433 mL
50 mM	0.0389 mL	0.1943 mL	0.3887 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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