

9-Mesityl-10-methylacridinium tetrafluoroborate

Chemical Properties

CAS No. :	1442433-71-7
Formula:	C ₂₃ H ₂₂ BF ₄ N
Molecular Weight:	399.232
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	9-Mesityl-10-methylacridinium tetrafluoroborate is an organic photosensitizer and photocatalyst with intense photoredox properties. Upon visible light excitation, it generates a highly oxidizing excited state, widely utilized in light-driven single electron transfer (SET) reactions, metal-free aromatization, and decarboxylative cross-coupling research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5048 mL	12.5241 mL	25.0482 mL
5 mM	0.501 mL	2.5048 mL	5.0096 mL
10 mM	0.2505 mL	1.2524 mL	2.5048 mL
50 mM	0.0501 mL	0.2505 mL	0.501 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

Verma S, Nagarathnam D, Shao J, et al. Substituted aminobenzimidazole pyrimidines as cyclin-dependent kinase inhibitors[J]. Bioorganic & medicinal chemistry letters, 2005, 15(8): 1973-1977.

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