

(T-4)-Copper(1+), bis[2,9-bis(4-methoxyphenyl)-1,10-phenanthroline-κN1,κN10]-, chloride

Chemical Properties

CAS No. : 1392109-17-9
 Formula: C52H40ClCuN4O4
 Molecular Weight: 883.89
 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	(T-4)-Copper(1+), bis[2,9-bis(4-methoxyphenyl)-1,10-phenanthroline-κN1,κN10]-, chloride is a photosensitizer and redox catalyst. It exhibits high electron transfer efficiency under visible light, used as a light-harvesting agent for PDT and photochemical synthesis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1314 mL	5.6568 mL	11.3136 mL
5 mM	0.2263 mL	1.1314 mL	2.2627 mL
10 mM	0.1131 mL	0.5657 mL	1.1314 mL
50 mM	0.0226 mL	0.1131 mL	0.2263 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

Flipo M, et al., The small-molecule SMART751 reverses Mycobacterium tuberculosis resistance to ethionamide in acute and chronic mouse models of tuberculosis. Sci Transl Med. 2022 May 4;14(643):eaaz6280.

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