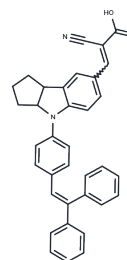


D 131

Chemical Properties

CAS No. :	652145-29-4
Formula:	C ₃₅ H ₂₈ N ₂ O ₂
Molecular Weight:	508.61
Storage:	Keep away from direct sunlight 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	D 131 is an orange organic indoline-based dye extensively utilized as a sensitizer in Dye-Sensitized Solar Cells (DSSCs). It exhibits an absorption maximum (lambda) of 425 nm in solution. D 131 is frequently employed in co-sensitization strategies alongside dyes that absorb longer wavelengths (such as D 149) to broaden the spectral response and suppress molecular aggregation, significantly enhancing the overall power conversion efficiency (PCE) of photovoltaic devices.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9661 mL	9.8307 mL	19.6614 mL
5 mM	0.3932 mL	1.9661 mL	3.9323 mL
10 mM	0.1966 mL	0.9831 mL	1.9661 mL
50 mM	0.0393 mL	0.1966 mL	0.3932 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

Ji X, et al. Fluopimomide effectively controls Meloidogyne incognita and shows a growth promotion effect in cucumber[J]. Journal of Pest Science, 2020, 93: 1421-1430.

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