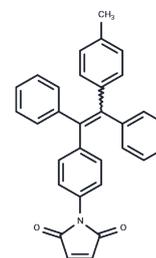


TPE-MI

Chemical Properties

CAS No. :	1245606-71-6
Formula:	C ₃₁ H ₂₃ NO ₂
Molecular Weight:	441.52
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tetraphenylethene maleimide (TPE-MI) serves as a thiol probe to assess unfolded protein levels and proteostasis within cells. It is particularly effective in identifying proteostasis imbalances in both induced pluripotent stem cell models of Huntington's disease and cells transfected with mutant Huntington exon 1, prior to visible aggregate formation. Additionally, TPE-MI is used to detect protein damage in studies involving dihydroartemisinin and the malaria parasites Plasmodium falciparum [1][2]. It should be stored in a manner protected from light.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2649 mL	11.3245 mL	22.649 mL
5 mM	0.453 mL	2.2649 mL	4.5298 mL
10 mM	0.2265 mL	1.1325 mL	2.2649 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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