

Probe-Cys

Chemical Properties

CAS No. :

Formula: C33H31NO7S

Molecular Weight:

Keep away from direct sunlight

Storage:

Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Probe-Cys is a water-soluble, selective near-infrared fluorescent probe for Cys (λ_{ex} = 680 nm, λ_{em} =710 nm) that remains unaffected by Hcy, GSH, and HS-. This compound can react with the stimulant 1,4-dithiothreitol (DTT) and the inhibitor N-ethylmaleimide (NEM) in HepG2 cells and zebrafish for detecting endogenous Cys. Furthermore, Probe-Cys is applicable for imaging Cys in Arabidopsis thaliana. It offers a method for exploring cancer diagnostics and plant sulfur metabolism.
Targets(IC50)	Others

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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