

Thalidomide-Cyanine 5

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Thalidomide-Cyanine 5 is a fluorescent probe for cereblon E3 ligases. Binds with high affinity to DDB1-CRBN. Suitable for use in TR-FRET.
Targets(IC50)	Others

Reference

Fischer et al (2014) Structure of the DDB1-CRBN E3 ubiquitin ligase in complex with thalidomide. Nature 512 49
PMID: 25043012

Petzold et al (2016) Structural basis of lenalidomide-induced CK1 α degradation by the CRL4 CRBN ubiquitin ligase. Nature 532 127 PMID: 26909574

Cavadini et al (2016) Cullin-RING ubiquitin E3 ligase regulation by the COP9 signalosome. Nature 531 598 PMID: 27029275

Chessum et al (2018) Demonstrating in-cell target engagement using a pirin protein degradation probe (CCT367766). J.Med.Chem. 61 918 PMID: 29240418

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