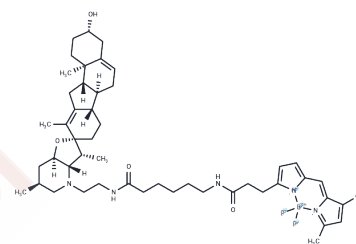


## BODIPY-Cyclopamine

## Chemical Properties

CAS No. :	334658-24-1
Formula:	C49H70BF2N5O4
Molecular Weight:	841.92
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	BODIPY-Cyclopamine is a fluorescent ligand for the Smoothed (SMO) receptor. SMO activation, which is regulated by Patch protein, is linked to tumorigenesis when excessively activated. Using NanoBRET technology, sensitive detection of the resonance energy transfer between SMO and BODIPY-Cyclopamine can be achieved, facilitating high-throughput screening and kinetic analysis. Additionally, studying the binding sites of BODIPY-Cyclopamine on SMO can aid in discovering SMO-targeted drugs.
Targets(IC50)	Others, Smo

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1878 mL	5.9388 mL	11.8776 mL
5 mM	0.2376 mL	1.1878 mL	2.3755 mL
10 mM	0.1188 mL	0.5939 mL	1.1878 mL
50 mM	0.0238 mL	0.1188 mL	0.2376 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.

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