

Product Name: BDY FL Lenalidomide

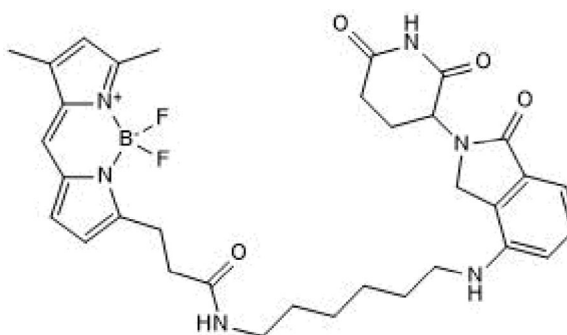
Catalog No.: 7857

Batch No.: 1

IUPAC Name: 3-(5,5-Difluoro-7,9-dimethyl-5H-5λ⁴,6λ⁴-dipyrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-3-yl)-N-(6-((2-(2,6-dioxopiperidin-3-yl)-1-oxoisindolin-4-yl)amino)hexyl)propanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₃₃ H ₃₉ BF ₂ N ₆ O ₄
Batch Molecular Weight:	632.52
Physical Appearance:	Orange solid
Solubility:	DMSO to 10 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 96.7% purity at 504 nm
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
UV Spectrum:	Consistent with structure
λ_{max}:	506 nm (0.01M PBS pH 7.4)
λ_{ex}:	506 nm (0.01M PBS pH 7.4)
λ_{em}:	509 nm (0.01M PBS pH 7.4)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

BDY FL Lenalidomide is a fluorescent cereblon ligand. It can be used in time-resolved fluorescence resonance energy-transfer (TR-FRET) cereblon binding assays for PROTAC® Degradation development. This assay is highly sensitive, selective, and stable. Excitation and emission maxima (λ) are 506 and 508 nm, respectively. PROTAC® is a registered trademark of Arvinas Operations, Inc., and is used under license.

Physical and Chemical Properties:

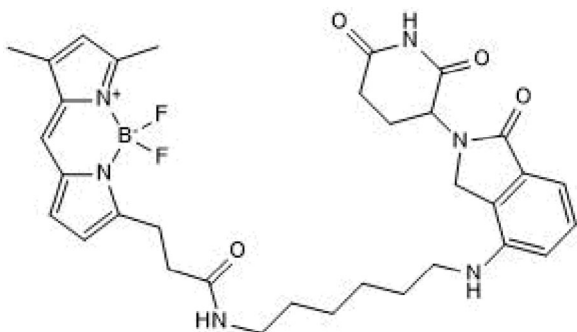
Batch Molecular Formula: C₃₃H₃₉BF₂N₆O₄

Batch Molecular Weight: 632.52

Physical Appearance: Orange solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Wang et al (2021) Acute pharmacological degradation of Helios destabilizes regulatory T cells. *Nat.Chem.Biol.* **17** 711. PMID: 34035522.

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