

STING Degradar 1, STING degrader

Catalog	Unit
TBI5001-1MG	1 mg
TBI5001-5MG	5 mg

Product Details

Formal Name: (E)-N-[6-[[2-(2,6-Dioxopiperidin-3-yl)-1,3-dioxoisindol-4-yl]amino]hexyl]-N'-[4-[(5-nitrofuran-2-carbonyl)amino]phenyl]but-2-enediamide

Alternate Names: SP23

Molecular Formula: C₃₄H₃₃N₇O₁₀

Formula Weight: 699.7

CAS Number: 2762552-74-7

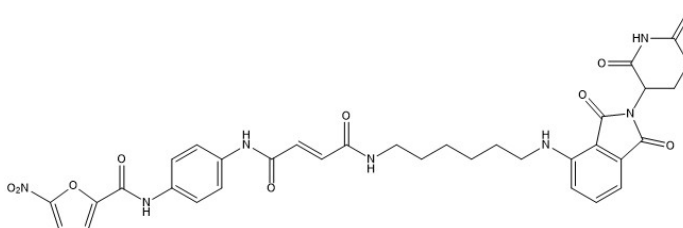
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

STING degrader

Functions

A CRBN-based PROTAC degrader that recruits the cereblon-containing E3 ubiquitin ligase to direct the proteasomal degradation of the Stimulator of Interferon Genes (STING). This degrader was designed by coupling C-170, a small molecule STING inhibitor with pomalidomide via a C-6 linker. It selectively degrades STING with a DC₅₀=3.2 uM. It displays antiinflammatory activity in a cisplatin-induced acute kidney injury mouse model. Caution: May be teratogenic. Pregnant women should avoid all contact with this substance.

Application Procedures

First dissolved in Soluble in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.