

Product Name: STING Degradar SP23

Catalog No.: 8053

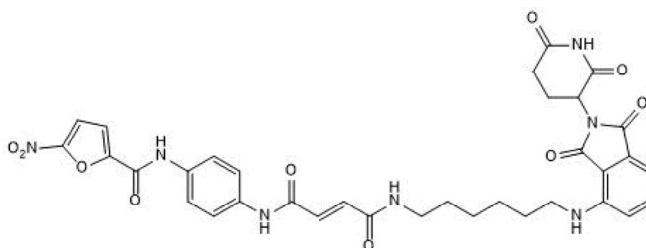
Batch No.: 1

CAS Number: 2762552-74-7

IUPAC Name: (2*E*)-*N*¹-[6-[[2-(2,6-Dioxo-3-piperidiny)-2,3-dihydro-1,3-dioxo-1*H*-isoindol-4-yl]amino]hexyl]-*N*⁴-[4-[[5-nitro-2-furanyl]carbonyl]amino]phenyl]-2-butenediamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₄H₃₃N₇O₁₀
Batch Molecular Weight: 699.68
Physical Appearance: Orange solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.37	4.75	14.01
Found	57.7	4.46	13.75

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

Product Name: STING Degrader SP23

Catalog No.: 8053

1

CAS Number: 2762552-74-7

IUPAC Name: (2E)-N¹-[6-[[2-(2,6-Dioxo-3-piperidinyl)-2,3-dihydro-1,3-dioxo-1H-isoindol-4-yl]amino]hexyl]-N⁴-[4-[[[(5-nitro-2-furanyl)carbonyl]amino]phenyl]-2-butenediamide

Description:

STING Degrader SP23 is a selective stimulator of interferon gene (STING) Degrader (PROTAC®; DC₅₀ = 3.2 μM). Comprises the STING inhibitor (C-170), joined by a linker to a CRBN ligand Pomalidomide (Cat. No. 6302). It does not degrade JAK2, STAT3, PI 3-K, AKT and TLR4 in THP-1 cells. STING Degrader SP23 dose dependently reduces the levels of IFN-β, IL-6, and CXCL10 triggered by cGAMP in THP-1 cells; it also modulates the downstream signals of the STING signaling pathway in vivo. STING Degrader SP23 has high anti-inflammatory efficacy in a cisplatin-induced acute kidney injury mouse model. Negative control STING Degrader N-Me-SP23... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

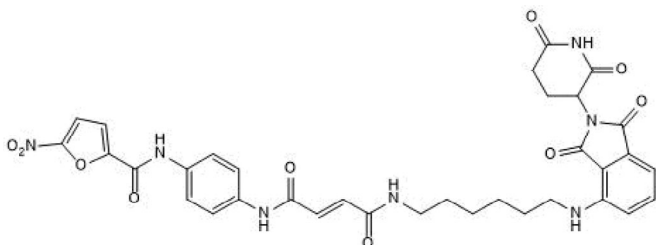
Batch Molecular Formula: C₃₄H₃₃N₇O₁₀

Batch Molecular Weight: 699.68

Physical Appearance: Orange solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Liu *et al* (2022) Novel CRBN-recruiting proteolysis-targeting chimeras as degraders of stimulator of interferon genes with *in vivo* anti-inflammatory efficacy. *J.Med.Chem.* **65** 6593. PMID: 35452223.

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 100 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.

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

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956