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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lenalidomide

Ubiquitin ligase inducer
Catalog No. SIH-410



Discovery through partnership | Excellence through quality

Overview

Product Name

Lenalidomide

Description

Ubiquitin ligase inducer

Purity

>98% (TLC); NMR (Conforms)

CAS No.

191732-72-6

Molecular Formula

C₁₁H₁₁N₁O₁

Molecular Weight

259.26

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inducer

Solubility

Soluble in DMSO (200 mM), Water (<1 mM) and Ethanol (<1 mM).

Source

Synthetic

Appearance

Powder

SMILES

C1=CC=C(C3=C1C(N(C2C(NC(=O)CC2)=O)C3)=O)N

InChI

InChI=1S/C13H13N3O3/c14-9-3-1-2-7-8(9)6-16(13(7)19)10-4-5-11(17)15-12(10)18/h1-3,10H,4-6,14H2,(H,15,17,18)

InChIKey

GOTYRUGSSMKFNF-UHFFFAOYSA-N

Safety Phrases

Classification: Acute toxicity, Oral (Category 4), Acute toxicity, Dermal (Category 4), Acute toxicity, Inhalation (Category 4), Reproductive toxicity (Category 1B)

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Hazard statements:

H301- Harmful if swallowed.

H312- Harmful in contact with skin.

H332- Harmful if inhaled.

H360- May damage fertility or the unborn child.

Precautionary statements:

P261- Avoid breathing dust/fumes/gas/mist/vapors/spray.

P263- Avoid contact during pregnancy/while nursing.

P270- Do not eat, drink or smoke when using this product.

P280- Wear protective gloves/protective clothing.

P301+P310- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352- IF ON SKIN: Wash with plenty of soap and water.

P304+P340- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313- IF exposed or concerned: Get medical advice/attention.

P330- Rinse mouth.

P405- Store locked up.

P501- Dispose of contents/container to a licensed disposal company.

Cite This Product

Lenalidomide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-410)

Biological Description

Alternative Names

3-(7-amino-3-oxo-1H-isoindol-2-yl)piperidine-2,6-dione

Research Areas

Cell Signaling, Post-translational Modifications

PubChem ID

216326

Scientific Background

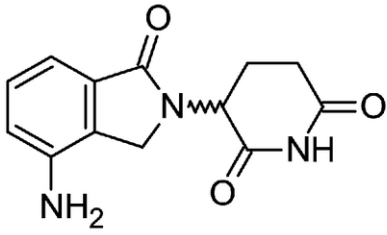
Clinically, lenalidomide has proven to be effective in the treatment of multiple myeloma and other B cell diseases. It has the ability to selectively bind and ubiquitinate two lymphoid transcription factors, IKZF1 and IKZF2, via the CRBN-CRL4 ubiquitin ligase. This ultimately leads to the degradation of IKZF1 and IKZF2, which are both essential in myeloma cell survival.

References

1. Krönke J., et al. (2014) Science. 343(6168): 301-5.
 2. Lu G., et al. (2014) Science. 343(6168): 305-9.
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Product Images

Chemical structure of Lenalidomide (SIH-410), a Ubiquitin ligase inducer. CAS #: 191732-72-6 . Molecular Formula: C₁₃H₁₃N₃O₃. Molecular Weight: 259.26 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.