

Product Name: SB 24011

Catalog No.: 8010

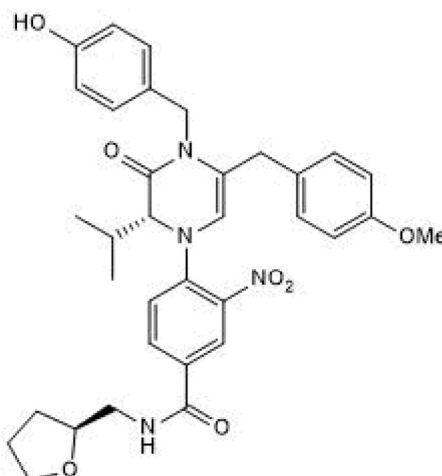
Batch No.: 1

CAS Number: 1497415-41-4

IUPAC Name: 4-[(2*R*)-3,4-Dihydro-4-[(4-hydroxyphenyl)methyl]-5-[(4-methoxyphenyl)methyl]-2-(1-methylethyl)-3-oxo-1(2*H*)-pyrazinyl]-3-nitro-*N*-[[[(2*S*)-tetrahydro-2-furanyl)methyl]benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₃₄ H ₃₈ N ₄ O ₇ .
Batch Molecular Weight:	614.7
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	66.43	6.23	9.11
Found	66.71	6.25	9.02

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

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Description:

SB 24011 is an inhibitor of STING-TRIM29 interaction (IC₅₀ = 3.85 μM in vitro). SB 24011 binds to STING and inhibits TRIM29-E3 ligase interaction to increase cellular STING levels. In syngeneic mouse models, SB 24011 dose-dependently reduces CT26 and B16F10 tumor volumes when co-administered with cGAMP.

Physical and Chemical Properties:

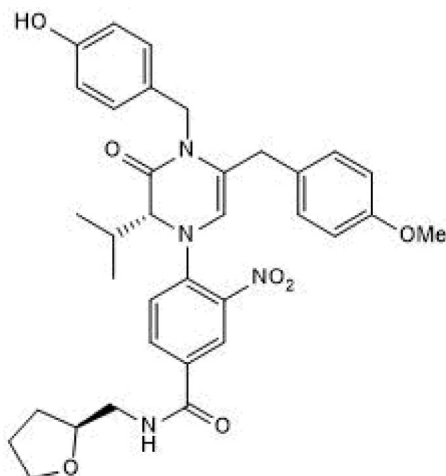
Batch Molecular Formula: C₃₄H₃₈N₄O₇.

Batch Molecular Weight: 614.7

Physical Appearance: Orange solid

Minimum Purity: ≥98%

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 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.

References:

Cho *et al* (2023) Targeted protein upregulation of STING for boosting the efficacy of immunotherapy. *Angew.Chem.Int.Ed.Engl.* **62** e202300978. PMID: 36827625.

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