

Product Name: NVS-STG2

Catalog No.: 8120

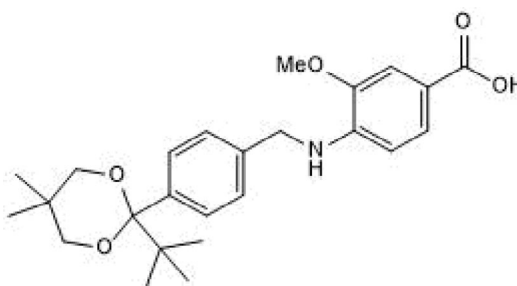
Batch No.: 1

CAS Number: 3030588-01-0

IUPAC Name: 4-((4-(2-(*tert*-Butyl)-5,5-dimethyl-1,3-dioxan-2-yl)benzyl)amino)-3-methoxybenzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₃₃NO₅.
Batch Molecular Weight: 427.54
Physical Appearance: White 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	70.23	7.78	3.28
Found	70.23	7.75	3.27

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

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Description:

NVS-STG2 is a STING agonist. It induces oligomerization of human STING by binding to pockets between adjacent STING dimer transmembrane domains, acting as a molecular glue. NVS-STG2 elicit potent STING-mediated immune responses in cells and produces antitumor activities in animal models.

Physical and Chemical Properties:

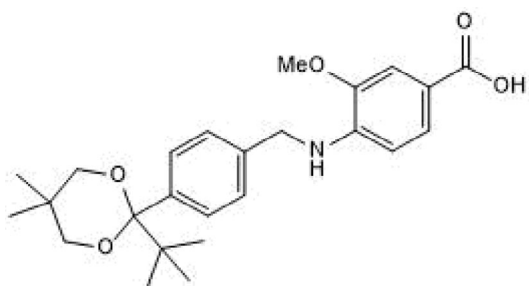
Batch Molecular Formula: C₂₅H₃₃NO₅.

Batch Molecular Weight: 427.54

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

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:

Li *et al* (2024) Activation of human STING by a molecular glue-like compound. *Nat.Chem.Biol.* **20** 365. PMID: 37828400.

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