

Product Name: LSN 3318839

Catalog No.: 7959

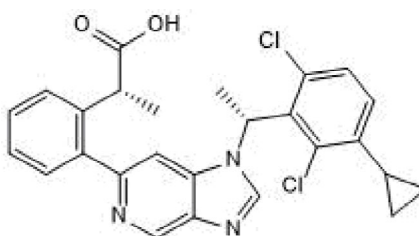
Batch No.: 1

CAS Number: 2764704-18-7

IUPAC Name: (R)-2-(2-(1-((R)-1-(2,6-Dichloro-3-cyclopropylphenyl)ethyl)-1H-imidazo[4,5-c]pyridin-6-yl)phenyl)propanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₂₃Cl₂N₃O₂
Batch Molecular Weight: 480.39
Physical Appearance: Pale orange solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: [α]_D = -89.6 (Concentration = 0.7, Solvent = Methanol)
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.01	4.83	8.75
Found	64.03	4.81	8.63

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

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Description:

LSN 3318839 is a potent glucagon-like peptide-1 receptor (GLP1-R) positive allosteric modulator (EC₅₀ = 14 nM). Acts as a molecular glue to stabilize peptide ligand and GLP1 receptor interaction. Potentiates activity of GLP-1 (7-36) (Cat. No. 2082) and the low-affinity metabolite GLP-1 (9-36) (Cat. No. 3266). LSN 3318839 alone or in combination with Sitagliptin (Cat. No. 6816) lowers glucose levels in animal models of diabetes. LSN 3318839 is orally bioavailable.

Physical and Chemical Properties:

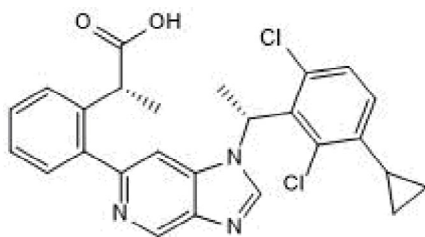
Batch Molecular Formula: C₂₆H₂₃Cl₂N₃O₂

Batch Molecular Weight: 480.39

Physical Appearance: Pale orange solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Willard *et al* (2021) Discovery of an orally efficacious positive allosteric modulator of the glucagon-like peptide-1 receptor. *J.Med.Chem.* **64** 3439. PMID: 33721487.

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.

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