

Certificate of Analysis

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Product Name: FzM1.8

Catalog No.: 6961

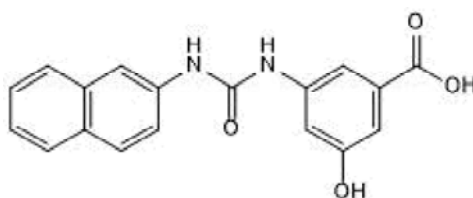
Batch No.: 1

CAS Number: 2204290-85-5

IUPAC Name: 3-Hydroxy-5-[[[(2-Naphthalenylamino)carbonyl]amino]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₄N₂O₄
Batch Molecular Weight: 322.32
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.07	4.38	8.69
Found	66.69	4.41	8.59

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

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Description:

Frizzled 4 allosteric agonist (pEC₅₀ = 6.4). Potentiates the β-catenin pathway in the absence of any WNT ligand, by biasing FZD4 signaling toward the FZD4/PI3K axis. Preserves stemness and promotes proliferation of undifferentiated cells.

Physical and Chemical Properties:

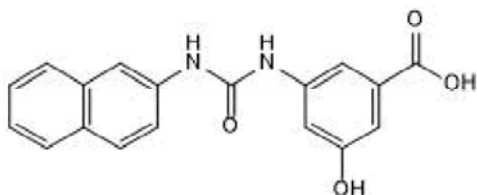
Batch Molecular Formula: C₁₈H₁₄N₂O₄

Batch Molecular Weight: 322.32

Physical Appearance: Off-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. Our standard recommendations are:

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:

Riccio *et al* (2018) A negative allosteric modulator of WNT receptor frizzled 4 switches into an allosteric agonist. *Biochemistry* **57** 839. PMID: 29293331.

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