Product Datasheet

Technical Data

Formula	$C_{22}H_{18}ClF_2N_3O_4$					
Molecular Weight	461.85	**CAS No.**	1860875-51-9			
Solubility (25°C)*	In vitro	DMSO	92 mg/mL (199.19 mM)			
		Water	Insoluble			
		Ethanol	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.1652 mL	10.8260 mL	21.6521 mL
5 mM	0.4330 mL	2.1652 mL	4.3304 mL
10 mM	0.2165 mL	1.0826 mL	2.1652 mL
50 mM	0.0433 mL	0.2165 mL	0.4330 mL

Biological Activity

Description	CC-90009 is a novel **cereblon (CRBN) E3 ligase** modulator and specifically targets GSPT1 (G1 to S phase transition 1) for proteasomal degradation.
Targets	CRBN [1]
In vitro	CC-90009 is a new type of cereblon (CRBN) E3 ligase regulator, which specifically aims at proteasome degradation of GSPT1.^{[2]}

Protocol (from reference)

Cell Assay: ^{[2]}

- **Cell lines**
  NB4 cells
- **Concentrations**
  0.001, 0.01, 0.1, 1 μM
- **Incubation Time**
  4 h
- **Method**
  NB4 cells were treated for 4 h and then processed for Western blotting.

References

https://pubmed.ncbi.nlm.nih.gov/33197925/ https://pubmed.ncbi.nlm.nih.gov/33591756/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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