CORM-3

Catalog No.C12695 Batch:C1269503

Product Datasheet

Technical Data

Formula	$C_5 H_4 Cl N O_5 Ru$					
Molecular Weight	294.61	**CAS No.**	475473-26-8			
Solubility (25°C)*	In vitro	DMSO	58 mg/mL (196.87 mM)			
		Water	50 mg/mL (169.71 mM)			
		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

Biological Activity

Description	CORM-3 is a carbon monoxide-releasing molecule with anti-inflammatory and cardioprotective activity.
In vitro	CORM-3 protects against hypoxia-reoxygenation and oxidative stress by promoting CO release in cardiac cells. [1] This compound attenuates the inflammatory response induced by LPS in RAW264.7 murine macrophages. [2] It also uncouples mitochondrial respiration via interaction with the phosphate carrier. [4]
In vivo	CORM-3 (40 mg/kg i.p.) prolongs the survival of murine cardiac grafts and attenuates organ rejection in CBA mice transplanted with BALB/c hearts. [1] This compound (20 mg/kg i.p.) decreases cellular infiltration, joint inflammation and destruction in a collagen-induced arthritis mouse model. [3]

Protocol (from reference)

Animal Study:[1]

- **Animal Models**
  CBA mice transplanted with BALB/c hearts.
- **Dosages**
  ~40 mg/kg daily
- **Administration**
  i.p.

References

https://pubmed.ncbi.nlm.nih.gov/12842916/ https://pubmed.ncbi.nlm.nih.gov/15880142/ https://pubmed.ncbi.nlm.nih.gov/18063671/

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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.

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