Luminol

Catalog No.C12239 Batch:C1223903

Product Datasheet

Technical Data

Formula	$C_8H_7N_3O_2$					
Molecular Weight	177.16	**CAS No.**	521-31-3			
Solubility (25°C)*	In vitro	DMSO	35 mg/mL (197.56 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	5.6446 mL	28.2231 mL	56.4462 mL
5 mM	1.1289 mL	5.6446 mL	11.2892 mL
10 mM	0.5645 mL	2.8223 mL	5.6446 mL
50 mM	0.1129 mL	0.5645 mL	1.1289 mL

Biological Activity

Description	Luminol (Diogenes reagent, 3-Aminophthalhydrazide) is a versatile chemical exhibiting chemiluminescence with a blue glow, when mixed with an appropriate **oxidizing agent**. This compound is uesed in forensic investigations to detect trace amounts of blood at crime scenes and in biological researches to detect **copper**, **iron**, and **cyanides**, as well as specific proteins by western blot. It recently displayes promising applications for the treatment of cancer in deep tissues.
Targets	oxidizing agent [1] / copper [1] / iron [1] / cyanides [1]

References

https://pubmed.ncbi.nlm.nih.gov/30720222/

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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