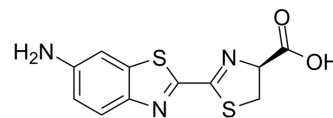


6'-Amino-D-luciferin

Cat. No.:	HY-126994		
CAS No.:	161055-47-6		
Molecular Formula:	C ₁₁ H ₉ N ₃ O ₂ S ₂		
Molecular Weight:	279.34		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (44.75 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5799 mL	17.8993 mL	35.7987 mL
	5 mM	0.7160 mL	3.5799 mL	7.1597 mL
	10 mM	0.3580 mL	1.7899 mL	3.5799 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

6'-Amino-D-luciferin is a [D-luciferin](#) (HY-12591A) with its 6-position hydroxyl group substituted with an amino group. D-luciferin is the natural substrate of the enzyme luciferase (Luc)^[1].

REFERENCES

[1]. Kovács AK, et al. Synthesis of N-peptide-6-amino-D-luciferin Conjugates. Front Chem. 2018 Apr 19;6:120.

Caution: Product has not been fully validated for medical applications. For research use only.

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