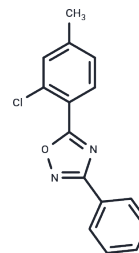


Firefly luciferase-IN-2

Chemical Properties

CAS No. :	796108-95-7
Formula:	C ₁₅ H ₁₁ ClN ₂ O
Molecular Weight:	270.71
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Firefly luciferase-IN-2 (compound 5j) serves as an inhibitor targeting the ATP-dependent luciferase, a key enzyme responsible for light emission in fireflies and kowtow bugs. This compound effectively inhibits <i>P. pyralis</i> luciferase with an IC ₅₀ value of 0.15 μM. However, it demonstrates negligible inhibitory effects on <i>R. reniformis</i> luciferase.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.694 mL	18.4699 mL	36.9399 mL
5 mM	0.7388 mL	3.694 mL	7.388 mL
10 mM	0.3694 mL	1.847 mL	3.694 mL
50 mM	0.0739 mL	0.3694 mL	0.7388 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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