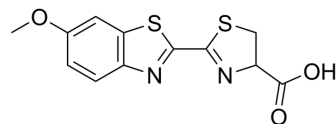


D-Luciferin 6'-methyl ether

Cat. No.:	HY-D1904
CAS No.:	3022-11-5
Molecular Formula:	C ₁₂ H ₁₀ N ₂ O ₃ S ₂
Molecular Weight:	294.35
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	D-Luciferin 6'-methyl ether sodium salt is a firefly luciferase inhibitor. D-Luciferin 6'-methyl ether sodium salt is a cofactor in Luc-catalyzed synthesis of dinucleoside polyphosphates ^{[1][2]} .
IC ₅₀ & Target	Luciferase ^[1]

REFERENCES

- [1]. Khnouf R, et al. Cell-free expression of soluble and membrane proteins in an array device for drug screening. *Anal Chem.* 2010 Aug 15;82(16):7021-6.
- [2]. Fraga H, et al. Firefly luciferase produces hydrogen peroxide as a coproduct in dehydroluciferyl adenylate formation. *Chembiochem.* 2006 Jun;7(6):929-35.

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

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