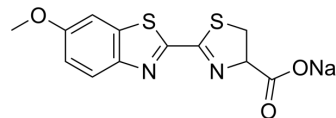


(Rac)-Luciferin 6'-methyl ether sodium

Cat. No.:	HY-115749A
CAS No.:	646450-23-9
Molecular Formula:	C ₁₂ H ₉ N ₂ NaO ₃ S ₂
Molecular Weight:	316.33
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

D-Luciferin 6'-methyl ether (6'-Methoxyluciferin; compound 19a) sodium is a potent luciferase from the North American firefly *Photinus pyralis* (PpyLuc) inhibitor with an IC₅₀ of 0.1 μM. D-Luciferin 6'-methyl ether, a D-luciferin analog, shows non-specific interactions at ATP- and luciferin-binding sites of the PpyLuc active site^[1].

REFERENCES

[1]. Giuseppe Meroni, et al. D-Luciferin, derivatives and analogues: synthesis and in vitro/in vivo luciferase-catalyzed bioluminescent activity. Volume 2009, Issue 1, Reviews and Accounts, pp. 265-288

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

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