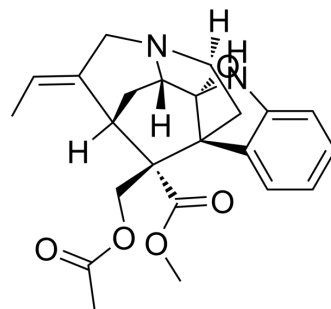


## Picaline

Cat. No.:	HY-N3072
CAS No.:	2671-32-1
Molecular Formula:	C <sub>23</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	410.46
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Picaline is a natural alkaloid that targets opioid receptors with binding affinities with K <sub>i</sub> values of 132 μM, 2.38 μM and 98.8 μM for μOR, κOR and δOR, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	μ Opioid Receptor/MOR 132 μM (K <sub>i</sub> )	κ Opioid Receptor/KOR 2.38 μM (K <sub>i</sub> )	δ Opioid Receptor/DOR 98.8 μM (K <sub>i</sub> )

### REFERENCES

[1]. Simone M Creed, et al. Isolation and Pharmacological Characterization of Six Opioidergic Picalima nitida Alkaloids. J Nat Prod. 2021 Jan 22;84(1):71-80.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA