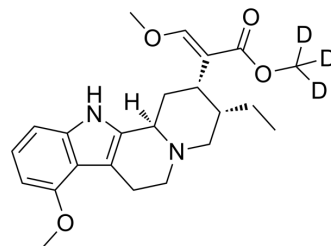


## Speciociliatine-d<sub>3</sub>

Cat. No.:	HY-135502S1
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> D <sub>3</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	401.51
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

#### Description

Speciociliatine-d<sub>3</sub> is a deuterium labeled Speciociliatine. Speciociliatine is an alkaloid that can be isolated from *Mitragyna speciosa*. Speciociliatine is a  $\mu$ -opioid receptor partial agonist. Speciociliatine has orally active and antinociceptive activity [1].

### REFERENCES

[1]. Kamble SH, et al. Metabolism of Speciociliatine, an Overlooked Kratom Alkaloid for its Potential Pharmacological Effects. *AAPS J.* 2022 Jul 19;24(5):86.

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

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