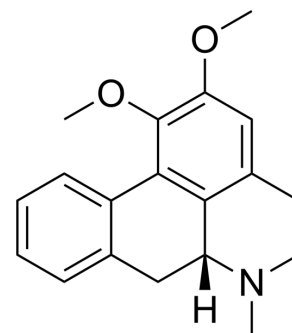


Nuciferine (Standard)

Cat. No.:	HY-N0049R
CAS No.:	475-83-2
Molecular Formula:	C ₁₉ H ₂₁ NO ₂
Molecular Weight:	295.38
Target:	5-HT Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (16.93 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	3.3855 mL	16.9273 mL
5 mM			0.6771 mL	3.3855 mL	6.7709 mL
10 mM			0.3385 mL	1.6927 mL	3.3855 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Nuciferine (Standard) is the analytical standard of Nuciferine. This product is intended for research and analytical applications. Nuciferine is an antagonist at 5-HT_{2A} (IC₅₀=478 nM), 5-HT_{2C} (IC₅₀=131 nM), and 5-HT_{2B} (IC₅₀=1 μM), an inverse agonist at 5-HT₇ (IC₅₀=150 nM), a partial agonist at D₂ (EC₅₀=64 nM), D₅ (EC₅₀=2.6 μM) and 5-HT₆ (EC₅₀=700 nM), an agonist at 5-HT_{1A} (EC₅₀=3.2 μM) and D₄ (EC₅₀=2 μM) receptor.

CUSTOMER VALIDATION

- Int Immunopharmacol. 2023 Apr 29;119:110204.
- J Funct Foods. August 2022, 105182.
- Nutr Metab. 2021 Feb 18;18(1):20.

See more customer validations on www.MedChemExpress.com

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

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