



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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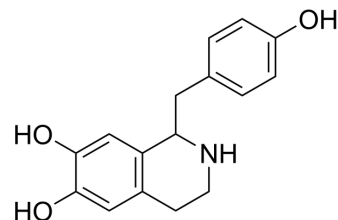
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Higenamine

Cat. No.:	HY-N2037
CAS No.:	5843-65-2
Molecular Formula:	C ₁₆ H ₁₇ NO ₃
Molecular Weight:	271.31
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (368.58 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.6858 mL	18.4291 mL	36.8582 mL
	5 mM	0.7372 mL	3.6858 mL	7.3716 mL
	10 mM	0.3686 mL	1.8429 mL	3.6858 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Higenamine (Norcoclaurine), a β₂-AR agonist, is a key component of the Chinese herb aconite root that prescribes for treating symptoms of heart failure in the oriental Asian countries. Higenamine (Norcoclaurine) has anti-apoptotic effects^[1] [2].

IC₅₀ & Target

β adrenergic receptor

CUSTOMER VALIDATION

- Nutrients. 2024 May 22.
- J Pharmaceut Biomed. 2020, 113870.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Wu MP, et al. Higenamine protects ischemia/reperfusion induced cardiac injury and myocyte apoptosis through activation of β 2-AR/PI3K/AKT signaling pathway. Pharmacol Res. 2016 Feb;104:115-23.

[2]. Lee SR, et al. Acute oral intake of a higenamine-based dietary supplement increases circulating free fatty acids and energy expenditure in human subjects. Lipids Health Dis. 2013 Oct 21;12:148.

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

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