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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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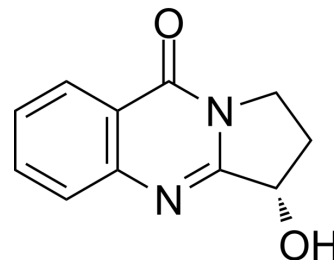
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Vasicinone

Cat. No.:	HY-N1100
CAS No.:	486-64-6
Molecular Formula:	C ₁₁ H ₁₀ N ₂ O ₂
Molecular Weight:	202.21
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (247.27 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.9454 mL	24.7268 mL	49.4535 mL
	5 mM	0.9891 mL	4.9454 mL	9.8907 mL
	10 mM	0.4945 mL	2.4727 mL	4.9454 mL

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

BIOLOGICAL ACTIVITY

Description

Vasicinone is a quinazoline alkaloid isolated from the *Adhatoda vasica*. Vasicinone is a potential agent for Parkinson's disease and possibly other oxidative stress-related neurodegenerative disorders^[1].

In Vitro

Vasicinone (1~30 μ M; 24 hours; SH-SY5Y cells) significantly reverses the paraquat-induced reduction in cell viability^[1]. Vasicinone (10 and 15 μ M; 24 hours; SH-SY5Y cells) abates the paraquat-induced injury of SH-SY5Y cells by suppressing the MAPK signaling pathway, dose-dependently reduces the percentage of apoptotic cells and is capable of rescuing paraquat-induced apoptotic death^[1]. Vasicinone (10 and 15 μ M; SH-SY5Y cells) attenuates the paraquat-induced accumulation of reactive oxygen species (ROS) and attenuates the paraquat-induced expression of apoptotic proteins^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay^[1]

Cell Line:	SH-SY5Y cells
Concentration:	1~30 μ M
Incubation Time:	24 hours

Result:	Significantly reversed the paraquat-induced reduction in cell viability.
Western Blot Analysis ^[1]	
Cell Line:	SH-SY5Y cells
Concentration:	10 and 15 μ M
Incubation Time:	24 hours
Result:	Abated the paraquat-induced injury of SH-SY5Y cells by suppressing the MAPK signaling pathway.

Apoptosis Analysis^[1]

Cell Line:	SH-SY5Y cells
Concentration:	10 and 15 μ M
Incubation Time:	24 hours
Result:	Dose-dependently reduced the percentage of apoptotic cells.

REFERENCES

[1]. Ju DT, et al. Effect of Vasicinone against Paraquat-Induced MAPK/p53-Mediated Apoptosis via the IGF-1R/PI3K/AKT Pathway in a Parkinson's Disease-Associated SH-SY5Y Cell Model. *Nutrients*. 2019;11(7):1655. Published 2019 Jul 19.

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

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