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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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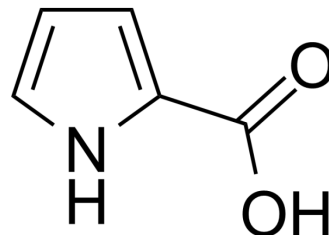
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Pyrrole-2-carboxylic acid

Cat. No.:	HY-W001963		
CAS No.:	634-97-9		
Molecular Formula:	C ₅ H ₅ NO ₂		
Molecular Weight:	111.1		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (225.02 mM; ultrasonic and warming and heat to 60°C)
 H₂O : 5.88 mg/mL (52.93 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		9.0009 mL	45.0045 mL	90.0090 mL
	5 mM		1.8002 mL	9.0009 mL	18.0018 mL
	10 mM		0.9001 mL	4.5005 mL	9.0009 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 4.17 mg/mL (37.53 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (22.50 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (22.50 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (22.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pyrrole-2-carboxylic acid is a natural alkaloid from the marine bacterium *Pelomonas puraquae* sp. Nov.

IC₅₀ & Target

Human Endogenous Metabolite	Human Endogenous Metabolite
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REFERENCES

[1]. He XX, et al. Pelopuradazole, a new imidazole derivative alkaloid from the marine bacteria *Pelomonas puraquae* sp. nov. *Nat Prod Res.* 2014;28(9):680-2.

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

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