



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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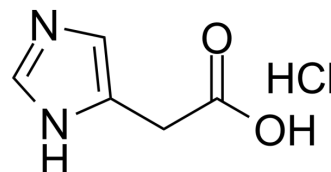
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Imidazoleacetic acid hydrochloride

Cat. No.:	HY-W007686
CAS No.:	3251-69-2
Molecular Formula:	C ₅ H ₇ ClN ₂ O ₂
Molecular Weight:	162.57
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
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 (615.12 mM; Need ultrasonic)
H₂O : 50 mg/mL (307.56 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.1512 mL	30.7560 mL	61.5120 mL
	5 mM	1.2302 mL	6.1512 mL	12.3024 mL
	10 mM	0.6151 mL	3.0756 mL	6.1512 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (615.12 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 (15.38 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (15.38 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-(1H-Imidazol-5-yl)acetic acid hydrochloride is an endogenous metabolite.

CUSTOMER VALIDATION

- FASEB J. 2022 May;36(5):e22305.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Prell GD, et al. Imidazoleacetic acid-ribose: an endogenous ligand that stimulates imidazol(in)e receptors. Proc Natl Acad Sci U S A. 2004 Sep 14;101(37):13677-82.

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

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