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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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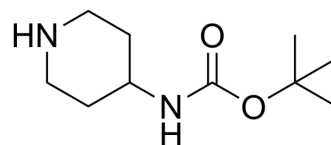
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4-Boc-Aminopiperidine

Cat. No.:	HY-40002
CAS No.:	73874-95-0
Molecular Formula:	C ₁₀ H ₂₀ N ₂ O ₂
Molecular Weight:	200.28
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 16.67 mg/mL (83.23 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	4.9930 mL	24.9650 mL	49.9301 mL
		5 mM	0.9986 mL	4.9930 mL	9.9860 mL
		10 mM	0.4993 mL	2.4965 mL	4.9930 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (8.34 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.67 mg/mL (8.34 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.67 mg/mL (8.34 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	4-Boc-Aminopiperidine is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	4-(N-Boc-amino)piperidine is an organic building block. It has been used in the synthesis of aminopiperidine antiviral chemokine (CC motif) receptor 5 (CCR5) antagonists and antibacterial agents. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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- [1]. Burrows, JN, Cumming, JG, Fillery, SM, et al. Modulators of the human CCR5 receptor. Part 1: Discovery and initial SAR of 1-(3,3-diphenylpropyl)-piperidinyl amides and ureas Bioorg. Med. Chem. Lett.15(1)25-28(2005)
- [2]. Reck, F., Alm, R., Brassil, P., et al. Novel N-linked aminopiperidine inhibitors of bacterial topoisomerase type II: Broad-spectrum antibacterial agents with reduced hERG activity J. Med . Chem.54(22)7834-7847(2011)
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Caution: Product has not been fully validated for medical applications. For research use only.

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