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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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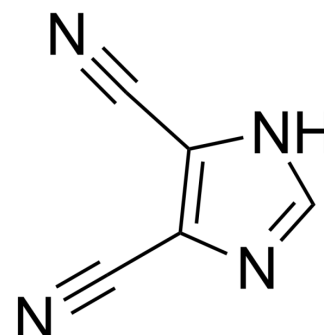
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4,5-Dicyanoimidazole

Cat. No.:	HY-W001962
CAS No.:	1122-28-7
Molecular Formula:	C ₅ H ₂ N ₄
Molecular Weight:	118.1
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 : 100 mg/mL (846.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		8.4674 mL	42.3370 mL	84.6740 mL
		5 mM		1.6935 mL	8.4674 mL	16.9348 mL
		10 mM		0.8467 mL	4.2337 mL	8.4674 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: ≥ 2.5 mg/mL (21.17 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.17 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (21.17 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4,5-Dicyanoimidazole is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	4,5-Dicyanoimidazole is used in activation of nucleotide phosphoramidites during solid-phase oligonucleotide synthesis, and synthesis of nucleotide phosphoramidites, synthesis of novel nucleotides. It is often used as an alternative to tetraz ole. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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