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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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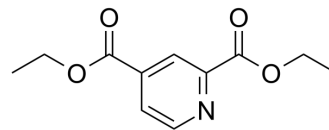
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Diethyl pyridine-2,4-dicarboxylate

Cat. No.:	HY-W025062		
CAS No.:	41438-38-4		
Molecular Formula:	C ₁₁ H ₁₃ NO ₄		
Molecular Weight:	223.23		
Target:	Others		
Pathway:	Others		
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 : 100 mg/mL (447.97 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.4797 mL	22.3984 mL	44.7968 mL
	5 mM	0.8959 mL	4.4797 mL	8.9594 mL
	10 mM	0.4480 mL	2.2398 mL	4.4797 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (11.20 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.20 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.20 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Diethyl pyridine-2,4-dicarb is a potent prolyl 4-hydroxylase-directed proinhibitor. Diethyl pyridine-2,4-dicarb inhibits prolyl hydroxylation and procollagen processing in chick-embryo calvaria^[1].

REFERENCES

[1]. Tschank G, et al. Inhibition of prolyl hydroxylation and procollagen processing in chick-embryo calvaria by a derivative of pyridine-2,4-dicarboxylate. Characterization of the diethyl ester as a proinhibitor. *Biochem J.* 1991 Apr 15;275 (Pt 2)(Pt 2):469-7

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

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