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Produktinformation



Forschungsprodukte & Biochemikalien



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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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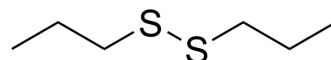
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Dipropyl disulfide

Cat. No.:	HY-W196803
CAS No.:	629-19-6
Molecular Formula:	C ₆ H ₁₄ S ₂
Molecular Weight:	150.31
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 200 mg/mL (1330.58 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		6.6529 mL	33.2646 mL	66.5292 mL
	5 mM		1.3306 mL	6.6529 mL	13.3058 mL
	10 mM		0.6653 mL	3.3265 mL	6.6529 mL

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

BIOLOGICAL ACTIVITY

Description

Dipropyl disulfide is oxidized to dipropyl thiosulfinate (DPDSO) by rat microsomes. Both flavincontaining monooxygenases (FMO) and cytochrome P450 enzymes (CYPs) are involved in dipropyl disulfide oxidation. Dipropyl disulfide forms two metabolites: propylglutathione sulfide conjugate and propylthiol^[1].

REFERENCES

[1]. Teyssier C, et al. Metabolism of dipropyl disulfide by rat liver phase I and phase II enzymes and by isolated perfused rat liver. Drug Metab Dispos. 2000 Jun;28(6):648-54.

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

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