SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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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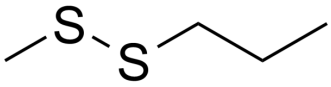
Methyl propyl disulfide

Cat. No.:	HY-N7436
CAS No.:	2179-60-4
Molecular Formula:	$C_4H_{10}S_2$
Molecular Weight:	122.25
Target:	Others
Pathway:	Others

Storage:

Pure form	-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 (818.00 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	8.1800 mL	40.8998 mL	81.7996 mL
5 mM	1.6360 mL	8.1800 mL	16.3599 mL
10 mM	0.8180 mL	4.0900 mL	8.1800 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 (20.45 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (20.45 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (20.45 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Methyl propyl disulfide is an volatile sulfur-containing compound produced in garlic and onions with anticaner effect[1][2].

REFERENCES

[1]. Rajkumar Nandakumar, et al. Impact of Pulsed Electric Fields on the Volatile Compounds Produced in Whole Onions (Allium cepa and Allium fistulosum). Foods. 2018 Nov 7;7(11):183.

[2]. T Matsuda, et al. Dose-dependent inhibition of glutathione S-transferase placental form-positive hepatocellular foci induction in the rat by methyl propyl disulfide and propylene sulfide from garlic and onions. Cancer Lett. 1994 Nov 11;86(2):229-34.

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