



SZABO SCANDIC

Part of Europa Biosite

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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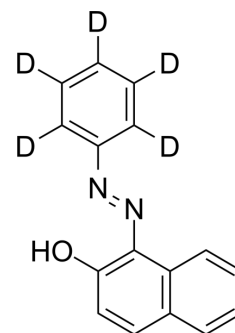
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Sudan I-d5

Cat. No.:	HY-W019776		
CAS No.:	752211-63-5		
Molecular Formula:	C ₁₆ H ₇ D ₅ N ₂ O		
Molecular Weight:	253.31		
Target:	Bacterial		
Pathway:	Anti-infection		
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 : 33.33 mg/mL (131.58 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.9477 mL	19.7387 mL	39.4773 mL
5 mM	0.7895 mL	3.9477 mL	7.8955 mL
10 mM	0.3948 mL	1.9739 mL	3.9477 mL

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

BIOLOGICAL ACTIVITY

Description

Sudan I-d5 (Solvent Yellow 14-d5) is a the deuterated Sudan I. Sudan I is a diazo-conjugate red dye and can be used as an additive to products such as oils, solvents or polishes. Sudan I inhibits growth of bacterial strains *Clostridium perfringens* and *L. rhamnosus*^[1].

REFERENCES

[1]. Pan H, et al. Evaluation of impact of exposure of Sudan azo dyes and their metabolites on human intestinal bacteria. *Anaerobe*. 2012;18(4):445-453.

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

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