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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

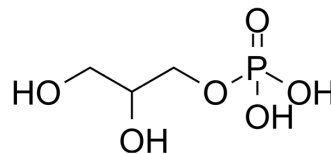
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

(Rac)-sn-Glycerol 3-phosphate

Cat. No.:	HY-113128C
CAS No.:	57-03-4
Molecular Formula:	C ₃ H ₉ O ₆ P
Molecular Weight:	172.07
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 250 mg/mL (1452.90 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		5.8116 mL	29.0579 mL	58.1159 mL
	5 mM		1.1623 mL	5.8116 mL	11.6232 mL
	10 mM		0.5812 mL	2.9058 mL	5.8116 mL

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

BIOLOGICAL ACTIVITY

Description

(Rac)-sn-Glycerol 3-phosphate is an a-site substrate analogue. (Rac)-sn-Glycerol 3-phosphate is bound to the a-site, the rate of reaction of indole and nucleophilic indole analogues with E(A-A) is strongly inhibited^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Dunn MF, et al. The tryptophan synthase bienzyme complex transfers indole between the alpha- and beta-sites via a 25-30 Å long tunnel. *Biochemistry*. 1990;29(37):8598-8607.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA