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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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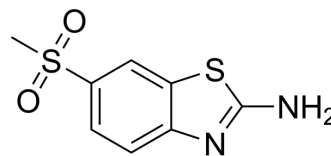
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TbPTR1 inhibitor 2

Cat. No.:	HY-W009689
CAS No.:	17557-67-4
Molecular Formula:	C ₈ H ₈ N ₂ O ₂ S ₂
Molecular Weight:	228.29
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (547.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.3804 mL	21.9020 mL	43.8039 mL
	5 mM	0.8761 mL	4.3804 mL	8.7608 mL
	10 mM	0.4380 mL	2.1902 mL	4.3804 mL

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

BIOLOGICAL ACTIVITY

Description

TbPTR1 inhibitor 2 (Compound 3a) is a PTR1 enzyme inhibitor, with IC₅₀s of 34.2 and 32.9 μM for TbPTR1 and LmPTR1. TbPTR1 inhibitor 2 has anti-parasitic activity against *T. brucei* (IC₅₀: 34.2 μM)^[1].

REFERENCES

[1]. Linciano P, et al. Enhancement of Benzothiazoles as Pteridine Reductase-1 Inhibitors for the Treatment of Trypanosomatidic Infections. *J Med Chem.* 2019 Apr 25;62(8):3989-4012.

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

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