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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

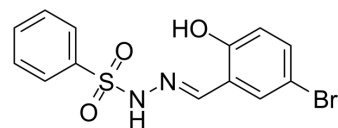
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Shz-1

Cat. No.:	HY-108440
CAS No.:	326886-05-9
Molecular Formula:	C ₁₃ H ₁₁ BrN ₂ O ₃ S
Molecular Weight:	355.21
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (703.81 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.8152 mL	14.0762 mL	28.1524 mL
		5 mM		0.5630 mL	2.8152 mL	5.6305 mL
		10 mM		0.2815 mL	1.4076 mL	2.8152 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: ≥ 2.08 mg/mL (5.86 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.86 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.86 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Shz-1, a small cardiogenic molecule, induces various cardiac-specific genes including sarcomeric tropomyosin in P19CL6 cells. Shz-1 induces Nkx2.5 expression in mouse. Shz-1 activates the axolotl TPM4 promoter-driven ectopic expression in C2C12 cells ^[1] .
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REFERENCES

[1]. Changlong Nan, et al. Expression of sarcomeric tropomyosin in striated muscles in axolotl treated with shz-1, a small cardiogenic molecule. Cardiovasc Toxicol. 2015 Jan;15(1):29-40.

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