



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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

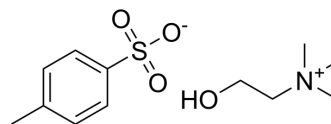
mail@szabo-scandic.com

www.szabo-scandic.com

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

Choline tosylate

Cat. No.:	HY-W100403
CAS No.:	55357-38-5
Molecular Formula:	C ₁₂ H ₂₁ NO ₄ S
Molecular Weight:	275.36
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (363.16 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.6316 mL	18.1580 mL	36.3161 mL
		5 mM		0.7263 mL	3.6316 mL	7.2632 mL
		10 mM		0.3632 mL	1.8158 mL	3.6316 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 (9.08 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.08 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.08 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Choline tosylate is a nucleophilic compound that inhibits phospholipase A2 and phospholipase C. Choline tosylate inhibits tumor growth in mice by inhibiting the formation of diacylglycerol (DAG) ^{[1][2]} .
-------------	--

CUSTOMER VALIDATION

- Cell Death Dis. 2022 Oct 3;13(10):845.

-
- Antioxidants (Basel). 2024 Jan 17;13(1):115.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Yu L, et al. The interaction of phospholipase A2 with phospholipid analogues and inhibitors. J Biol Chem. 1990 Feb 15;265(5):2657-64.
- [2]. Trousil S. Choline Kinase Inhibition as a Treatment Strategy of Cancers with Deregulated Lipid Metabolism. Imperial College London, 2014.
-

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