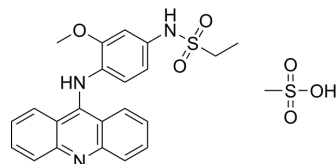


NSC243928 mesylate

Cat. No.:	HY-123885
CAS No.:	59988-01-1
Molecular Formula:	C ₂₃ H ₂₅ N ₃ O ₆ S ₂
Molecular Weight:	503.59
Target:	Others
Pathway:	Others
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 : 10 mg/mL (19.86 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9857 mL	9.9287 mL	19.8574 mL
	5 mM	0.3971 mL	1.9857 mL	3.9715 mL
	10 mM	0.1986 mL	0.9929 mL	1.9857 mL

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

BIOLOGICAL ACTIVITY

Description

NSC243928 mesylate is a human lymphocyte antigen 6 (LY6) binder, which also acts as an inhibitor of cell growth and has anticancer activity^[1].

In Vitro

NSC243928 mesylate (2 μM, 24 h) induced cell death in MDA-MB-231 control cells and showed an increase in cell viability in LY6K knockdown cells, thus suggesting that NSC243928 may induce cell death through the LY6K pathway^[1].
NSC243928 mesylate inhibits MDA-MB-231, Hs-578-T, BT-549 and OVCAR-8 cells with the IC₅₀ values of 5.683 μM, 7.309 μM, 7.954 μM and 4.167 μM, respectively^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Senyi Benti, et al. Small Molecule Binds with Lymphocyte Antigen 6K to Induce Cancer Cell Death. Cancers (Basel). 2020 Feb 22;12(2):509.

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

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