产品名称：甲磺酸双氢麦角碱
产品别名：Dihydroergotoxine mesylate; Ergoloid mesylates

生物活性：

Description

Dihydroergotoxine mesylate is a complex of closely related alkaloid salts; Binds with high affinity to the GABAA receptor Cl- channel, producing an allosteric interaction with the benzodiazepine site. IC50 value: Target: Dihydroergotoxine mesylate also interacts with central dopaminergic, serotonergic and adrenergic (α1) receptors. Dihydroergotoxine mesylate displays antiproliferative activity in vitro (IC50 = 18 - 38 μM in prostate cancer cells) and exhibits cognition-enhancing, anticonvulsant and sedative activity in vivo.

Solvent&Solubility

In Vitro:

DMSO： ≥ 31 mg/mL (13.39 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.4320 mL	2.1601 mL	4.3201 mL
	5 mM	0.0864 mL	0.4320 mL	0.8640 mL
	10 mM	0.0432 mL	0.2160 mL	0.4320 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Tvrdeic A, et al. Dihydrogenated ergot compounds bind with high affinity to GABAA receptor-associated Cl- ionophore. Eur J Pharmacol. 1991 Sep 4;202(1):109-11.

[2]. Tvrdeic A, et al. Dihydroergotoxine modulation of the GABAA receptor-associated Cl- ionophore in mouse brain. Eur J Pharmacol. 1992 Oct 6;221(1):139-43.

[3]. Tvrdeic A, et al. Effect of ergot alkaloids on 3H-flunitrazepam binding to mouse brain GABAA receptors. Coll Antropol. 2003;27 Suppl 1:175-82.

[4]. Abdul M, et al. Expression of gamma-aminobutyric acid receptor (subtype A) in prostate cancer. Acta Oncol. 2008;47(8):1546-50.