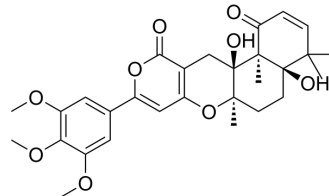


Territrem B

Cat. No.:	HY-126765
CAS No.:	70407-20-4
Molecular Formula:	C ₂₉ H ₃₄ O ₉
Molecular Weight:	526.57
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	0.1M PB : 0.0013 mg/mL (0.00 mM; Need ultrasonic and warming)
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BIOLOGICAL ACTIVITY

Description	Territrem B is an irreversible inhibitor of Acetylcholinesterase (AChE) inhibitor. Territrem B is also a fungal meroterpenoid that can be isolated from <i>Aspergillus terreus</i> ^{[1][2]} .
IC ₅₀ & Target	AChE
In Vitro	Territrem B binds to the active site of AChE with of the binding constant (K _i) of 1.7 nM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Chen JW, et al. Territrem B, a tremorgenic mycotoxin that inhibits acetylcholinesterase with a noncovalent yet irreversible binding mechanism. *J Biol Chem.* 1999 Dec 3;274(49):34916-23.
- [2]. Cheung J, et al. Acetylcholinesterase complexes with the natural product inhibitors dihydrotanshinone I and territrem B: binding site assignment from inhibitor competition and validation through crystal structure determination. *J Mol Neurosci.* 2014 Jul;53(3):506-10.

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

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