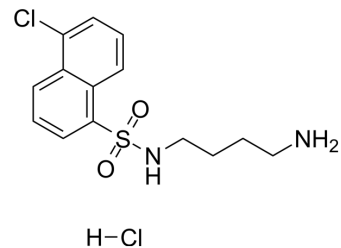


Calmodulin antagonist-1

Cat. No.:	HY-115745
CAS No.:	78957-84-3
Molecular Formula:	C ₁₄ H ₁₈ Cl ₂ N ₂ O ₂ S
Molecular Weight:	349.28
Target:	Calmodulin
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description

Calmodulin antagonist-1 (A-5) is a calmodulin (CaM) antagonist. Calmodulin antagonist-1 inhibits calmodulin-activated Ca²⁺-phosphodiesterase (PDE) (IC₅₀=66 μM). Calmodulin antagonist-1 also inhibits trypsin-treated Ca²⁺-PDE (IC₅₀=560 μM) in a competitive fashion with respect to cyclic GMP^[1].

REFERENCES

[1]. Itoh H, et al. Direct interaction of calmodulin antagonists with Ca²⁺/calmodulin-dependent cyclic nucleotide phosphodiesterase. J Biochem. 1984;96(6):1721-1726.

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