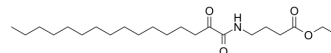


AX048

Cat. No.:	HY-112738
CAS No.:	873079-69-7
Molecular Formula:	C ₂₂ H ₄₁ NO ₄
Molecular Weight:	383.57
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AX048 is an inhibitor for calcium-dependent phospholipase A2 cPLA ₂ with a X _i (50) of 0.022 mole fraction and reveals an antihyperalgesic efficacy ^[1] .	
IC₅₀ & Target	cPLA ₂	
In Vivo	AX048 (0-30 mg/kg, i.p.) reduces the thermal hyperalgesia with the ED ₅₀ of 1.2 mg/kg in Sprague Dawle rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Carrageenan-induced thermal hyperalgesia in Sprague Dawley rats ^[1]
	Dosage:	0-30 mg/kg
	Administration:	i.p.
	Result:	Reduced the escape latencies in a dose-dependent manner.

REFERENCES

[1]. Yaksh TL, et al., Systemic and intrathecal effects of a novel series of phospholipase A2 inhibitors on hyperalgesia and spinal prostaglandin E2 release. J Pharmacol Exp Ther. 2006 Jan;316(1):466-75.

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