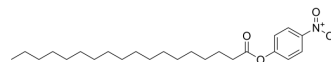


4-Nitrophenyl stearate

Cat. No.:	HY-W099563		
CAS No.:	14617-86-8		
Molecular Formula:	C ₂₄ H ₃₉ NO ₄		
Molecular Weight:	405.57		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

4-Nitrophenyl stearate, which is an ester formed by the condensation of stearic acid and 4-nitrophenol, is commonly used as a substrate for enzymatic assays, where the hydrolysis of ester bonds by esterase and lipase can be measured by absorbance or ratio. In addition, 4-Nitrophenyl stearate has been used as a model compound to study the enzymatic activity and selectivity of lipases and esterases from various sources. The long hydrophobic tail of the molecule makes it suitable for use in lipophilic environments. Good solubility in the environment makes it a useful probe for studying lipid metabolism.

In Vitro

4-Nitrophenyl stearate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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