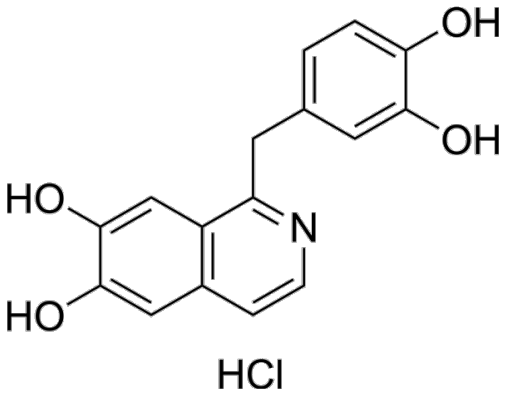
Product Data Sheet

Product Name: Papaveroline hydrochloride
Cat. No.: GC81327

Chemical Properties

Cas. No.	28362-21-2		
Formula	$C_{16}H_{14}ClNO_4$	M.Wt	319.74
Solubility	DMSO: 50 mg/mL (156.38 mM; Need ultrasonic)	Storage	Store at 4°C, away from moisture and light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Product Data Sheet

Papaveroline hydrochloride is an orally active Fyn tyrosine kinase inhibitor. Papaveroline hydrochloride stably binds to the active site of Fyn tyrosine kinase via hydrogen bonding and hydrophobic interactions, thereby inhibiting kinase activity associated with the pathogenesis of Alzheimer's disease. Papaveroline hydrochloride can be used for the research of Alzheimer's disease [1].

References:

[1]. Bhat SS, et al. Computational Insights into Papaveroline as an In Silico Drug Candidate for Alzheimer's Disease via Fyn Tyrosine Kinase Inhibition. Mol Biotechnol. 2025;67(7):2743-2757.

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

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