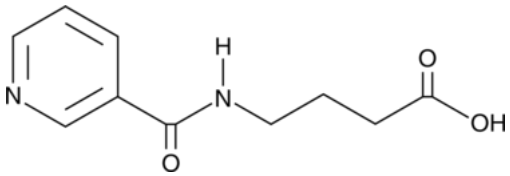
Product Data Sheet

Product Name: Picamilon
Cat. No.: GC46206

Chemical Properties

Cas. No.	34562-97-5		
SMILES	O=C(NCCCC(O)=O)C1=CN=CC=C1		
Formula	C10H12N2O3	M.Wt	208.2
Solubility	DMSO: 1 mg/ml,DMSO:PBS (pH 7.2) (1:9): 0.10 mg/ml	Storage	Store at -20°C
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

Picamilon is a derivative of γ-aminobutyric acid (GABA).1 It increases parietal cortical blood flow in rats and rabbits when administered at doses of 50 mg/kg, i.p. and 10 mg/kg, i.v., respectively.2 Picamilon (10 mg/kg) increases latency to enter the dark compartment in the passive avoidance conditioned reflex test in rats compared with control animals, indicating nootropic effects.1

|1. Kopelevich, V.M., Bulanova, L.N., Grigor'ev, I.A., et al. Synthesis and study of psychotropic and hypotensive properties of new picamilon derivatives. Pharm. Chem. J. 31(10), 536-539 (1997).|2. Mirzoyan, R.S., Gan'shina, T.S., Kosoi, M.Y., et al. Effect of picamilon on the cerebral cortical blood supply and microcirculation in the pial arteriolar system. Biull. Eksp. Biol. Med. 107(5), 668-670 (1989).

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