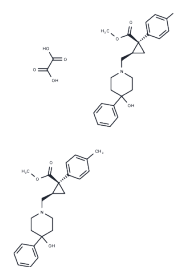


(+/-)-PPCC oxalate

## Chemical Properties

CAS No. : 932736-91-9  
 Formula: C<sub>50</sub>H<sub>60</sub>N<sub>2</sub>O<sub>10</sub>  
 Molecular Weight: 849.034  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Selective sigma ( $\sigma$ ) receptor ligand. Displays high affinity for $\sigma_1$ ; also binds at $\sigma_2$ sites ( $K_i = 1.5$ nM and 50.8 nM respectively). Selective over a range of receptor types including dopaminergic and muscarinic receptors, DAT and SERT.
Targets(IC50)	Others,Sigma receptor

## Solubility Information

Solubility	DMSO: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1778 mL	5.8891 mL	11.7781 mL
5 mM	0.2356 mL	1.1778 mL	2.3556 mL
10 mM	0.1178 mL	0.5889 mL	1.1778 mL
50 mM	0.0236 mL	0.1178 mL	0.2356 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Prezavento et al (2007) Novel sigma receptor ligands: synthesis and biological profile. J.Med.Chem. 50 951 PMID: 17328523

Prezavento et al (2008) A new sigma ligand, (±)-PPCC, antagonizes kappa opioid receptor-mediated antinociceptive effect. Life Sci. 82 549 PMID:18261749

Antonini et al (2009) Anti-amnesic properties of (±)-PPCC, a novel sigma receptor ligand, on cognitive dysfunction induced by selective cholinergic lesion in rats. J.Neurochem. 109 744 PMID:19245662

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481