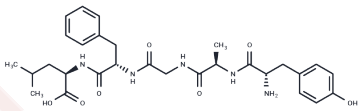
Data Sheet (Cat.No.TP1905)

TargetMol

BW-180C

Chemical Properties



CAS No. : 63631-40-3

Formula: C29H39N5O7

Molecular Weight: 569.65

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	BW-180C (DADLE) is a prototypical δ-opioid receptor agonist that also displays activity at the μ-opioid receptor. Displays antinociceptive activity in vivo.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	H2O: 10 mg/mL (17.55 mM),Sonication is recommended. DMSO: 100 mg/mL (175.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7555 mL	8.7773 mL	17.5546 mL
5 mM	0.3511 mL	1.7555 mL	3.5109 mL
10 mM	0.1755 mL	0.8777 mL	1.7555 mL
50 mM	0.0351 mL	0.1755 mL	0.3511 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.

Reference

Mulder et al (1991) Pharmacological profile of various κ-agonists at κ-, μ- and δ-opioid receptors mediating presynaptic inhibition of neurotransmitter release in the rat brain. Br.J.Pharmacol. 102 518 PMID:

Chen Y, Zhang H, Jiang L, et al.DADLE promotes motor function recovery by inhibiting cytosolic phospholipase A2 mediated lysosomal membrane permeabilization after spinal cord injury.British Journal of Pharmacology.2023

Ke et al (2009) Delta opioid agonist [D-Ala2, D-Leu5] enkephalin (DADLE) reduced oxygen-glucose deprivation caused neuronal injury through the MAPK pathway. Brain Res. 1292 100 PMID:

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