



Product Information

Product ID D0025

CAS No. 78123-71-4

Chemical Name

Synonym DAGO, DAMGE

Formula C₂₆H₃₅N₅O₆

Formula Wt. 513.0

Melting Point

Purity ≥95%

Solubility Soluble in water (2 mg/mL).

Store Temp -20°C

Ship Temp Ambient

Description DAMGO is a synthetic peptide μ -opioid receptor agonist (μ OR) that exhibits neuromodulatory and antinociceptive/analgesic activities. DAMGO decreases pain effects in animal models of visceral pain and also decreases motor activity in separate animal models. In vitro and in vivo, DAMGO decreases levels of the glutamate transporter EAAT3 and decreases GABA-A current.

Tyr-D-Ala-Gly-NMe-Phe-Gly-ol

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D0025	1 mg	\$63.00
D0025	2 mg	\$107.00
D0025	5 mg	\$189.00

References Wu Q, Xia S, Lin J, et al. Effects of the altered activity of δ -opioid receptor on the expression of glutamate transporter type 3 induced by chronic exposure to morphine. *J Neurol Sci.* 2013 Dec 15;335(1-2):174-81. PMID: 24120272.

Alexeeva EV, Nazarova GA, Sudakov SK. Effects of peripheral μ , δ , and κ -opioid receptor agonists on the levels of anxiety and motor activity of rats. *Bull Exp Biol Med.* 2012 Sep;153(5):720-1. PMID: 23113268.

Herman MA, Gillis RA, Vicini S, et al. Tonic GABAA receptor conductance in medial subnucleus of the tractus solitarius neurons is inhibited by activation of μ -opioid receptors. *J Neurophysiol.* 2012 Feb;107(3):1022-31. PMID: 22114164.

Al-Khrasani M, Lackó E, Riba P, et al. The central versus peripheral antinociceptive effects of μ -opioid receptor agonists in the new model of rat visceral pain. *Brain Res Bull.* 2012 Feb 10;87(2-3):238-43. PMID: 22079588.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.