

Product Data Sheet

Product Name: J-113397

Cat. No.: GC70385

Chemical Properties

Cas. No. 256640-45-6

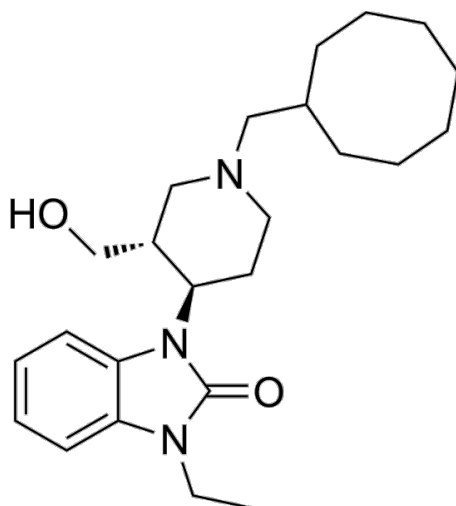
Formula $C_{24}H_{37}N_3O_2$ M.Wt 399.57

Solubility DMSO : ≥ 300 mg/mL (750.81 mM) Storage 4°C, sealed storage, away from moisture

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

J-113397 is the first potent and selective nonpeptidyl ORL1 receptor antagonist (K_i : cloned human ORL1=1.8 nM) without any agonistic effects on other opioid receptors.

J-113397 (0-500 nM) inhibits Nociceptin/Nociceptin/orphanin FQ-stimulated [^{35} S]GTPγS binding to CHO cells expressing ORL1 (CHO-ORL1) but had no effect on [^{35} S]GTPγS binding by itself^[1].

J-113397 (0-30 mg/kg; subcutaneously (s.c.); once) dose-dependently inhibits hyperalgesia elicited

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

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by intracerebroventricular (i.c.v.) administration of NociceptinNociceptin/orphanin FQ in a tail-flick test with mice^[1].

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