Product Name: 6-Alpha Naloxol

CAS No.: 20410-95-1

Cat. No.: HY-12799

MWt: 329.39

Formula: C19H23NO4

Purity: >98%

Solubility: 10 mM in DMSO

Mechanisms: Pathways: GPCR/G protein; Target: Opioid Receptor

Pathways: Neuronal Signaling; Target: Opioid Receptor

Biological Activity:

6-Alpha Naloxol (Alpha-Naloxol) is an opioid antagonist closely related to naloxone; a human metabolite of naloxone. 

IC50 value:

Target: opioid antagonist

When responding over the entire 30 min operant session was examined, naloxone was only 5-fold more potent than 6-alpha-naloxol in suppressing operant responding under Morphine Na?ve conditions, but this increased to a 65-fold potency difference after Single or Repeat Morphine pretreatment. Examination of the relative potency of these antagonists in the Early Phase of operant testing (5-15 min post-antagonist) revealed an even greater 100-fold potency difference between naloxone and 6-alpha-naloxol, but in the Late Phase of testing (25-35 min post-antagonist), this had declined to a 9-fold potency difference, comparable to the relative potency of naloxone to 6-alpha-naloxol under Morphine-Na?ve conditions....

References:

