

KW-8232 free base

Catalog No: tcsc0018456



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

170365-25-0

Formula:

$C_{36}H_{37}ClN_4O_3$

Pathway:

GPCR/G Protein

Target:

Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

609.16

Product Description

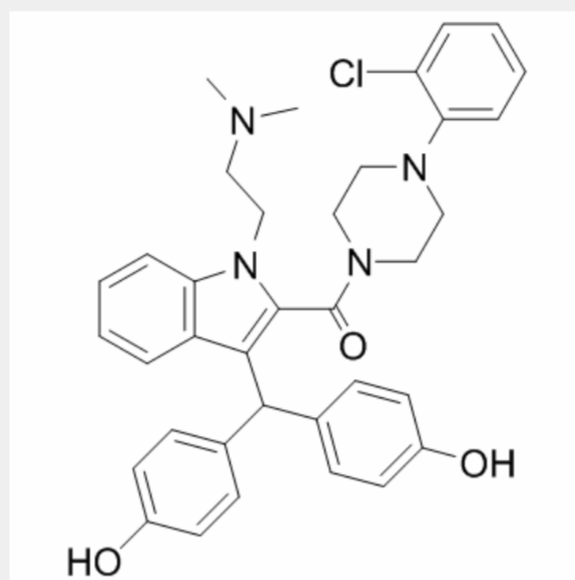
KW-8232 free base is an anti-osteoporotic agent, and can reduce the biosynthesis of **PGE2**.

IC50 & Target: Prostaglandin Receptor^[1]

In Vitro:

KW-8232 free base is an anti-osteoporotic agent. KW-8232 reduces the biosynthesis of PGE₂ in mouse osteoblastic cells^[1].

In Vivo: KW-8232 (3, 10, 30 mg/kg, p.o.) potently increases the femoral bone mineral density (BMD) of immobilized legs of rats, and affects immobilization-induced abnormal bone turnover. KW-8232 markedly decreases urinary calcium excretion in the neurectomized rats only at 30 mg/kg, and highly reduces urinary pyridinoline and deoxypyridionline excretion which are markers of bone resorption in neurectomized rats. KW-8232 inhibits bone loss may be attributed to the lower prostaglandins (PGs)-stimulated bone resorption via regulation of PGE₂ production^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!