

Product Name	: Eplerenone
Synonyms	: CGP 30083; (+)-Eplerenone; Epoxymexrenone; SC-6110; SC-66110
Cat No.	: M10311
CAS Number	: 107724-20-9
Molecular Formula	: C ₂₄ H ₃₀ O ₆
Formula Weight	: 414.49
Chemical Name	: methyl (4aS,4bR,5aR,6aS,7R,9aS,9bR,10R)-4a,6a-dimethyl-2,5'-dioxo-2,4,4a,4',5a,5',6,6a,8,9,9a,9b,10,11-tetradecahydro-3H,3'H-spiro[cyclopenta[1,2]phenanthro[4,4a-b]oxirene-7,2'-furan]-10-carboxylate
Description	Eplerenone, an aldosterone receptor antagonist similar to spironolactone, has been shown to produce sustained increases in plasma renin and serum aldosterone, consistent with inhibition of the negative regulatory feedback of aldosterone on renin secretion. The resulting increased plasma renin activity and aldosterone circulating levels do not overcome the effects of eplerenone. Eplerenone selectively binds to recombinant human mineralocorticoid receptors relative to its binding to recombinant human glucocorticoid, progesterone and androgen receptors.
Pathway	: Endocrinology/Hormones
Target	: GR
Receptor	: Mineralocorticoid Receptor
Solubility	: Ethanol: <1 mg/mL (<1 mM); Water: <1 mg/mL (<1 mM); DMSO: <1 mg/mL (<1 mM)
SMILES	: <chem>C[C@]12CCCC(C=C1C[C@@H](C(OC)=O)[C@@H]3[C@]24[C@@H](C[C@@]5(C)[C@H]3CC[C@@]56CCC(O6)=O)O4)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Keidar S, et al. J Cardiovasc Pharmacol, 2003, 41(6), 955-963.

