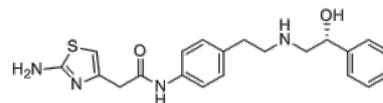


Product Name : Mirabegron
Cat. No. : PC-21196
CAS No. : 223673-61-8
Molecular Formula : C₂₁H₂₄N₄O₂S
Molecular Weight : 396.51
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

Mirabegron (YM178) is a potent, selective selective β_3 -adrenoceptor agonist with EC₅₀ of 22.4 nM.

Mirabegron (YM178) displays no activity against human beta1- and beta2-ARs.

Mirabegron (YM178) exhibited relaxant effects of YM178 were evaluated in rats and humans bladder strips precontracted with carbachol (CCh).

Mirabegron (YM178) (3 mg/kg, i.v.) decreased the frequency of rhythmic bladder contraction induced by intravesical filling with saline without suppressing its amplitude in anesthetized rats.

References

Takasu T, et al. J Pharmacol Exp Ther. 2007 May;321(2):642-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com