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Product Datasheet

Mirabegron, CAS [[223673-61-8]] FBM-10-4228

Artikelname	Mirabegron, CAS [[223673-61-8]]
Artikelnummer	FBM-10-4228
Hersteller Artikelnummer	10-4228
Alternativnummer	FBM-10-4228-10MG, FBM-10-4228-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	beta-3 Adrenergic agonist...
Molekulargewicht	396.51
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Beige solid
CAS Nummer	[223673-61-8]
Formel	C21H24N4O2S

Anwendungsbeschreibung	Mirabegron is a potent ($EC_{50} = 22.4 \text{ nM}$ CHO cells expressing human β_3-ARs) beta-3 adrenergic receptor (β_3-AR) agonist with high selectivity over the beta-1 and beta-2 receptors.¹ Clinically useful for the treatment of overactive bladder syndrome. Chronic treatment of human subjects with mirabegron increased brown adipose tissue (BAT) metabolic activity, increased HDL and bile acid levels, and produced substantial improvements in glucose and insulin metabolism.² Mirabegron inhibited tumor growth in various tumor models including pancreatic ductal adenocarcinoma and hepatocellular carcinoma via altering global metabolism in an uncoupling protein 1 (UCP1, a key protein for non-shivering thermogenesis) dependent manner.³
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