

## Product Datasheet

### Solabegron (orb1218279)

<b>Catalog Number</b>	orb1218279
<b>Category</b>	Small Molecules
<b>Description</b>	Solabegron is a selective agonist of $\beta$ 3-adrenergic receptor, stimulating cAMP accumulation in Chinese hamster ovary cells expressing the human $\beta$ 3-AR( $EC_{50}$ : 22 nM). It is used for treatment of overactive bladder and irritable bowel syndrome. (In Vivo):Solabegron (GW427353) at 3 mg/kg i.v. evokes an increase in micturition volume threshold that prevented the acetic acid-evoked decreases in dogs. The low dose (1 mg/kg) shows no significant activity.
<b>Target</b>	Adenosine Receptor
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	410.89
<b>Target Areas</b>	$\beta$ 3-adrenergic receptor
<b>Solubility (25°C)</b>	DMSO:250 mg/mL (608.44 mM; Need ultrasonic)
<b>CAS Number</b>	252920-94-8
<b>Formula</b>	$C_{23}H_{23}ClN_2O_3$
<b>SMILES</b>	<chem>C1=CC(=CC(=C1)C(=O)O)C2=CC(=CC=C2)NCCNC[C@@H](C3=CC(=CC=C3)Cl)O</chem>
<b>Storage</b>	Storage temperature: -20°C. Stability: $\geq$ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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