

Product Datasheet

SB-756050 (orb1223125)

Catalog Number	orb1223125
Category	Small Molecules
Description	SB-756050 is a G protein-coupled bile acid receptor 1 (GPBAR1) agonist potentially for the treatment of type 2 diabetes.(In Vivo):SB756050 is well-tolerated; it is readily absorbed, exhibited nonlinear pharmacokinetics with a less than dose-proportional increase in plasma exposure above 100 mg, and demonstrates no significant changes in exposure when co-administered with sitagliptin. SB756050 demonstrates highly variable pharmacodynamic effects both within dose groups and between doses, with increases in glucose seen at the two lowest doses and no reduction in glucose seen at the two highest doses. The glucose effects of SB756050 sitagliptin are comparable to those of sitagliptin alone, even though gut hormone plasma profiles are different.
Target	DNA/RNA Synthesis
Purity	>98% (HPLC)
MW	500.59
Target Areas	TGR5
Solubility (25°C)	DMSO : ≥ 150 mg/mL; 299.65 mM
CAS Number	447410-57-3
Formula	C ₂₁ H ₂₈ N ₂ O ₈ S ₂
SMILES	O=S(=O)(N1CCN(S(=O)(=O)c2ccc(OC)c(OC)c2)CCC1)c1ccc(OC)c(OC)c1
Chemical Name	1,4-bis((3,4-dimethoxyphenyl)sulfonyl)-1,4-diazepane
Storage	Storage temperature: -20°C. Stability: ≥ 2 years

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Note For research use only

Expiration Date 12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)