

Product Datasheet

L-165041 (orb1300017)

Catalog Number	orb1300017
Category	Small Molecules
Description	L-165041 is a potent and selective agonist for PPAR β/δ , exhibiting high binding affinity (K _i = 9 nM) and functional activity (EC ₅₀ ~500 nM). This tool compound is widely used in metabolic, inflammatory, and muscle physiology research, supporting both in vitro mechanistic studies and in vivo preclinical models.
Target	PPAR
Purity	97.97%
MW	402.44
Target Areas	PPAR
Solubility (25°C)	DMSO:50 mg/mL (124.24 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.97 mM)
CAS Number	79558-09-1
Formula	C ₂₂ H ₂₆ O ₇
SMILES	<chem>CCCC1c(O)c(ccc1OCCCOc1ccc(OCC(O)=O)cc1)C(C)=O</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
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)