

Product Datasheet

SM-276001 (orb1309085)

Catalog Number	orb1309085
Category	Small Molecules
Description	SM-276001 is a potent and selective Toll-like receptor 7 (TLR7) agonist that acts as an oral interferon inducer. It is utilized in immunological research to study antiviral responses, vaccine adjuvants, and autoimmune disease models in both cellular assays and animal studies.
Target	IFNAR,TLR,COX
Purity	99.91% (May vary between batches)
MW	327.38
Target Areas	IFNAR COX TLR
Solubility (25°C)	DMSO:100 mg/mL (305.46 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:4 mg/mL (12.22 mM)
CAS Number	473930-22-2
Formula	C ₁₆ H ₂₁ N ₇ O
SMILES	CCCCNc1nc(N)c2[nH]c(=O)n(Cc3ccc(C)nc3)c2n1
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)