

Product Datasheet

TLR4 agonist-1 (orb1943785)

Catalog Number	orb1943785
Category	Small Molecules
Description	TLR4 agonist-1 (compound 17a) is a small molecule activator of Toll-like receptor 4 (TLR4), demonstrated to induce MIP-1 β production in RAW 264.7 and MM6 cell lines. This tool compound is used in vitro to study innate immune signaling, inflammation, and TLR4-mediated pathways in immunological and infectious disease research.
Target	Others,TLR
MW	1445.11
CAS Number	2374139-51-0
Formula	C ₈₁ H ₁₅₈ N ₃ O ₁₅ P
SMILES	<chem>N(C(C[C@@H](CCCCCCCCC)OCCCCCCCC)=O)[C@H]1[C@@H](NC(C[C@@H])(CCCCCCCC)OCCCCCCCC)=O)[C@H](OC[C@H](NC(C[C@@H](CCCCCCC)OCCCCCCCC)=O)C(O)=O)O[C@H](CO)[C@H]1OP(=O)(O)O</chem>
Storage	-20°C
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 27713-2847
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)