

Product Datasheet

AYK004 (orb2802189)

Catalog Number	orb2802189
Category	Small Molecules
Description	AYK004 is a synthetic adenosine-derived TLR7/8 agonist that activates innate immune pathways. Its optimized physicochemical profile enhances formulation stability in delivery systems like liposomes, supporting its application in vaccine adjuvant research for both in vitro immunostimulation studies and in vivo immunization models.
Target	TLR
MW	417.43
CAS Number	3031612-90-2
Formula	C ₁₇ H ₂₆ F ₃ N ₇ O ₂
SMILES	O=C1NC=2C(=NC(=NC2N1CCCCCN3CCNCC3)OC(C)C(F)(F)F)N
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)