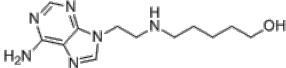


Product Name	: NB 001	
Synonyms	: NB001;NB-001	
Cat No.	: M15621	
CAS Number	: 686301-48-4	
Molecular Formula	: C ₁₂ H ₂₀ N ₆ O	
Formula Weight	: 264.33	
Chemical Name	: 5-[[2-(6-amino-9H-purin-9-yl)ethyl]amino]-1-pentanol	
Description	A potent, relatively selective and orally active adenylyl cyclase 1 (AC1) inhibitor with IC ₅₀ of 10 uM (cAMP production inhibition); displays >10-fold selectivity over AC5/6/7/8; shows analgesic effect in animal models of neuropathic pain, without no significant effect on behavioral anxiety.	
Pathway	: Metabolic Enzyme/Protease	
Target	: Adenylate Cyclase	
Receptor	: Adenylate Cyclase	
Solubility	: —	
SMILES	: OCCCCCNCCN1C=NC2=C(N)N=CN=C12	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Wang H, et al. Sci Transl Med. 2011 Jan 12;3(65):65ra3. | 2. Brand CS, et al. J Pharmacol Exp Ther. 2013 Nov;347(2):265-75. | 3. Zhang MM, et al. Mol Brain. 2014 Jun 16;7:47. | 4. Sethna F, et al. Nat Commun. 2017 Feb 20;8:14359.