

Product Information

NBMPR, Purity ≥98%

Cat. No.: X24-09-YM815

Size: 100 mg; 200 mg; 500 mg; 1 g

MDL: MFCD00005745

CAS Number: 38048-32-7

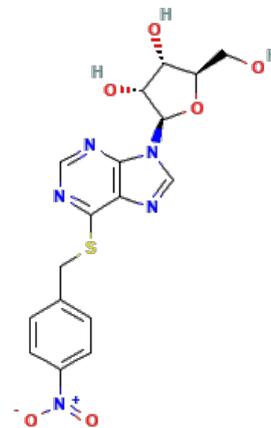
Compound CID: 65407

Synonym: 38048-32-7; NBTI; NBMPR;

(2*R*,3*S*,4*R*,5*R*

)-2-(Hydroxymethyl)-5-[6-[(4-nitrophenyl)methylsulfanyl]purin-9-yl]oxolane-3,4-diol

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	NBMPR is a nucleoside analog that competitively inhibits the equilibrative nucleoside transporter 1. The molecular weight of the compound is 419.41, and its molecular formula is C ₁₇ H ₁₇ N ₅ O ₆ S.
Molecular Weight	419.41
Molecular Formula	C ₁₇ H ₁₇ N ₅ O ₆ S
IUPAC Name	(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>)-2-(Hydroxymethyl)-5-[6-[(4-nitrophenyl)methylsulfanyl]purin-9-yl]oxolane-3,4-diol
InChI	InChI=1S/C17H17N5O6S/c23-5-11-13(24)14(25)17(28-11)21-8-20-12-15(21)18-7-19-16(12)29-6-9-1-3-10(4-2-9)22(26)27/h1-4,7-8,11,13-14,17,23-25H,5-6H2/t11-,13-,14-,17-/m1/s1
InChI Key	DYCFJFJRCWPVDHY-LSCFUAHRSA-N
Canonical SMILES	C1=CC(=CC=C1CSC2=NC=NC3=C2N=CN3C4C(C(C(O4)CO)O)O)[N+](=O)[O-]
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	NBMPR plays a key role in cellular metabolism and proliferation.
Storage	Store at -20°C, and keep desiccated.