Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

(S)-Roscovitine

Product overview

Name	(S)-Roscovitine
Cat No	HB3706
Purity	>99%
Description	Potent, selective CDK1 inhibitor

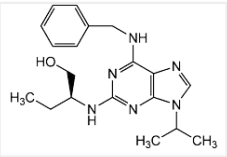
Biological Data

Biological description	(S)-enantiomer of (R)-roscovitine. Potent selective cyclin-dependent kinase 1 (CDK1) inhibitor. Potential neuroprotectant for stroke. Crosses the blood brain barrier. Inhibits CDK5, consequently blocking hypoxia-induced apoptosis in neurons. Potential anti-inflammatory compound. Potential antidiabetic compound.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100 mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	2-(S)-(1-Ethyl-2-hydroxyethylamino)-6-benzylamino-9-isopropylpurine
Molecular Weight	354.5
Chemical structure	
Molecular Formula	$C_{19}H_{26}N_6O$
CAS Number	186692-45-5
PubChem identifier	6603989
SMILES	CC[C@@H](CO)NC1=NC(=C2C(=N1)N(C=N2)C(C)C)NCC3=CC=CC=C3
InChi	InChI=1S/C19H26N6O/c1-4-15(11-26)22-19-23-17(20-10-14-8-6-5-7-9-14)16-18(24-19)25(12-21-16)13(2)3/h5-9,12-13,15,26H,4,10-11H2,1-3H3,(H2,20,22,23,24)/t15-/m0/s1
InChiKey	BTIHMVBBUGXLCJ-HNNXBMFYSA-N
Appearance	White to off-white solid