

Product Datasheet

BI-D1870 (orb1224926)

Catalog Number	orb1224926
Category	Small Molecules
Description	BI-D1870 is an ATP-competitive inhibitor of S6 ribosome for RSK1/2/3/4 with IC50 of 31 nM/24 nM/18 nM/15 nM, respectively; 10- to 100-fold selectivity for RSK than MST2, GSK-3 β , MARK3, CK1 and Aurora B.
Target	S6 Kinase
Purity	>98% (HPLC)
MW	391.42
Target Areas	RSK1 RSK2 RSK3 RSK4
Solubility (25°C)	DMSO:78 mg/mL (199.27 mM); Ethanol:1 mg/mL (1 mM); Water:1 mg/mL (1 mM)
CAS Number	501437-28-1
Formula	C ₁₉ H ₂₃ F ₂ N ₅ O ₂
SMILES	O=C1N(C)C2=CN=C(NC3=CC(F)=C(O)C(F)=C3)N=C2N(CCC(C)C)C1C
Chemical Name	2-((3,5-difluoro-4-hydroxyphenyl)amino)-8-isopentyl-5,7-dimethyl-7,8-dihydropteridin-6(5H)-one.
Storage	Storage temperature: -20°C. Stability: \geq 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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