

Product Datasheet

VE-821 orb1172414

Description	VE-821
Hazard Information	Non-Toxic
Form/Appearance	powder
Storage	-20°C
Note	For research use only.
Purity	> 98%
Formula	C ₁₈ H ₁₆ N ₄ O ₃ S
MW	368.4
CAS Number	[1232410-49-9]
Chemical Name	3-Amino-6-[4-(methylsulfonyl)phenyl]-N-phenyl-2-pyrazinecarboxamide
Activity	ATR inhibitor
Solubility (25°C)	Soluble in DMSO (40 mg/ml)
Expiration Date	12 months from date of receipt.
Application Notes	A potent and selective ATP-competitive ATR (Ataxia-telangiectasia and Rad3-related protein) inhibitor, $K_i=13$ nM ¹ . Increases the sensitivity of pancreatic ² and ovarian ³ cancer cells to radiation and chemotherapy. Increased replication stress induced by PARP inhibitors or chemotherapeutic agents increases sensitivity to VE-821 in neuroblastoma cells ⁴ . Enhances the cytotoxicity of DNA damaging agents ⁵ .