



Product Information

CDK inhibitor JNJ-7706621, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ472

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 443797-96-4

Compound CID: 5330790

Synonym: JNJ-7706621; 443797-96-4; JNJ7706621;

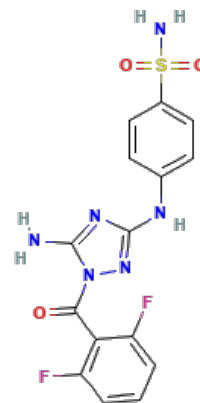
4-((5-Amino-1-(2,6-difluorobenzoyl)-1H-1,2,4-triazol-3-yl)amino)benzenesulfonamide;

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4-({5-Amino-1-[(2,6-Difluorophenyl)carb

onyl]-1H-1,2,4-Triazol-3-Yl}amino)benzenesulfonamide; CDK inhibitor

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



Product Information

Description	JNJ-7706621, soluble in DMSO and insoluble in ethanol and water, is an CDK kinase inhibitor that disrupts cell division processes. It targets Aurora A, Aurora B, Cdk1/cyclin B, cdk2/cyclin A, CDK2/cyclinE, CDK3/cyclinE, Cdk4/cyclin D1, CDK6/cyclinD1, FGF-R1, FGF-R2, and GSK3 β .
Molecular Weight	394.4
Molecular Formula	C ₁₅ H ₁₂ F ₂ N ₆ O ₃ S
Targets	Aurora A: 11 nM; Aurora B: 15 nM; Cdk1/cyclin B: 9 nM; cdk2/cyclin A: 4 nM; CDK2/cyclinE: 3 nM; CDK3/cyclinE: 58 nM; Cdk4/cyclin D1: 253 nM; CDK6/cyclinD1: 175 nM; FGF-R1: 575 nM; FGF-R2: 226 nM; GSK3 β : 254 nM
IUPAC Name	4-[[5-Amino-1-(2,6-difluorobenzoyl)-1,2,4-triazol-3-yl]amino]benzenesulfonamide
InChI	InChI=1S/C15H12F2N6O3S/c16-10-2-1-3-11(17)12(10)13(24)23-14(18)21-15(22-23)20-8-4-6-9(7-5-8)27(19,25)26/h1-7H,(H2,19,25,26)(H3,18,20,21,22)
InChI Key	KDKUVYLMPJIGKA-UHFFFAOYSA-N
Canonical SMILES	C1=CC(=C(C(=C1)F)C(=O)N2C(=NC(=N2)NC3=CC=C(C=C3)S(=O)(=O)N)N)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 67 mg/mL (169.89 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized



powder.

Applications

JNJ-7706621 is useful for studying the inhibition of multiple cell cycle kinases including Aurora kinase.

Storage

Store at -20°C.
