



Product Information

Reverse transcriptase inhibitor UK-453061, Purity ≥98%

Cat. No.: X24-06-ZQ967

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

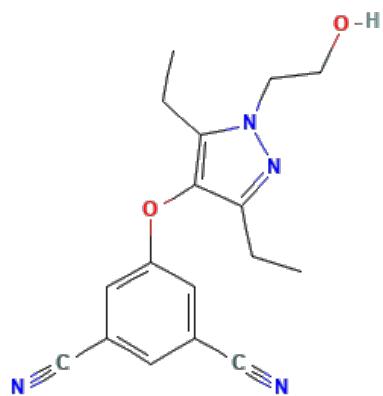
MDL: MFCD16619314

CAS Number: 473921-12-9

Compound CID: 16739244

Synonym: 473921-12-9; Reverse transcriptase inhibitor; UK 453061; UK453061

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



Product Information

Description	UK-453061, soluble in DMSO and ethanol and insoluble in water, obstructs the action of reverse transcriptase, an enzyme crucial for the replication of retroviruses like HIV.
Molecular Weight	310.35
Molecular Formula	C ₁₇ H ₁₈ N ₄ O ₂
IUPAC Name	5-[3,5-Diethyl-1-(2-hydroxyethyl)pyrazol-4-yl]oxybenzene-1,3-dicarbonitrile
InChI	InChI=1S/C17H18N4O2/c1-3-15-17(16(4-2)21(20-15)5-6-22)23-14-8-12(10-18)7-13(9-14)11-19/h7-9,22H,3-6H2,1-2H3
InChI Key	MCPUZZJBAHRIPO-UHFFFAOYSA-N
Canonical SMILES	CCC1=C(C(=NN1CCO)CC)OC2=CC(=CC(=C2)C#N)C#N
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 53 mg/mL; Water: Insoluble; Ethanol: 53 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	UK-453061 is used to research its ability to inhibit reverse transcriptase in HIV-1, impacting viral replication.
Storage	Store at -20°C, and keep desiccated.