



Product Information

Reverse transcriptase inhibitor Dapivirine, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ966

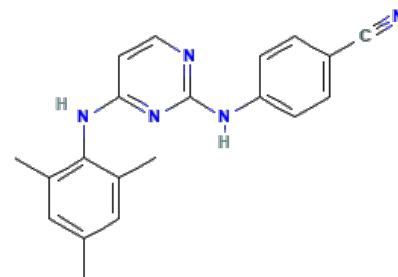
Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD09833899

CAS Number: 244767-67-7

Compound CID: 214347

Synonym: 244767-67-7; Reverse transcriptase inhibitor; R 147681; TMC 120; TMC 120R147681



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

Product Information

Description	Dapivirine, soluble in DMSO and insoluble in ethanol and water, obstructs the action of reverse transcriptase, an enzyme crucial for the replication of retroviruses like HIV. It targets HIV reverse transcriptase.
Molecular Weight	329.4
Molecular Formula	C ₂₀ H ₁₉ N ₅
Targets	HIV reverse transcriptase: 24 nM
IUPAC Name	4-[[4-(2,4,6-Trimethylanilino)pyrimidin-2-yl]amino]benzonitrile
InChI	InChI=1S/C20H19N5/c1-13-10-14(2)19(15(3)11-13)24-18-8-9-22-20(25-18)23-17-6-4-16(12-21)5-7-17/h4-11H,1-3H3,(H2,22,23,24,25)
InChI Key	ILAYIAGXTHKHNT-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=C(C(=C1)C)NC2=NC(=NC=C2)NC3=CC=C(C(=C3)C#N)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 29 mg/mL (88.03 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.
Quality Level	Research grade
Applications	Dapivirine is utilized to examine its efficacy as a non-nucleoside reverse transcriptase inhibitor in HIV prevention.



Storage

Store at -20°C, and keep desiccated.
