

Product Information

Cangrelor, Purity ≥98%

Cat. No.: X24-09-YM1181

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

CAS Number: 163706-06-7

Compound CID: 9854012

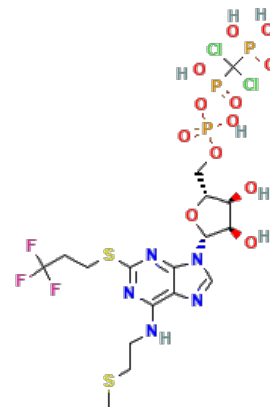
Synonym: 163706-06-7; Kengreal; AR-C69931XX; Cangrelor free acid;

[Dichloro-[[[(2*R*,3*S*,4*R*,5*R*

)-3,4-dihydroxy-5-[6-(2-methylsulfanylethylamino)-2-(3,3,3-trifluoropropylsulfanyl)purin

-9-yl]oxolan-2-yl]methoxy-hydroxyphosphoryl]oxy-

hydroxyphosphoryl]methyl]phosphonic acid



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

Product Information

Description	Cangrelor is a potent intravenous adenosine diphosphate-receptor antagonist. The molecular weight of the compound is 776.36, and its molecular formula is C ₁₇ H ₂₅ Cl ₂ F ₃ N ₅ O ₁₂ P ₃ S ₂ .
Molecular Weight	776.36
Molecular Formula	C ₁₇ H ₂₅ Cl ₂ F ₃ N ₅ O ₁₂ P ₃ S ₂
IUPAC Name	[Dichloro-[[[(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>)-3,4-dihydroxy-5-[6-(2-methylsulfanylethylamino)-2-(3,3,3-trifluoropropylsulfanyl)purin-9-yl]oxolan-2-yl]methoxy-hydroxyphosphoryl]oxy-hydroxyphosphoryl]methyl]phosphonic acid
InChI	InChI=1S/C17H25Cl2F3N5O12P3S2/c1-43-5-3-23-12-9-13(26-15(25-12)44-4-2-16(20,21)22)27(7-24-9)14-11(29)10(28)8(38-14)6-37-42(35,36)39-41(33,34)17(18,19)40(30,31)32/h7-8,10-11,14,28-29H,2-6H2,1H3,(H,33,34)(H,35,36)(H,23,25,26)(H2,30,31,32)/t8-,10-,11-,14-/m1/s1
InChI Key	PAEBIVWUMLRPSK-IDTAVKCVSA-N
Canonical SMILES	CSCCNC1=C2C(=NC(=N1)SCCC(F)(F)F)N(C=N2)C3C(C(C(O3)COP(=O)(O)OP(=O)(C(P(=O)(O)O)(Cl)Cl)O)O)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	Cangrelor plays a key role in reducing the risk of clots forming during and after the procedure.
Storage	Store at -20°C, and keep desiccated.
