

Product Information

Iloprost, Purity $\geq 98\%$

Cat. No.: X24-09-YM1368

Size: 2 mg; 5 mg; 10 mg; 20 mg

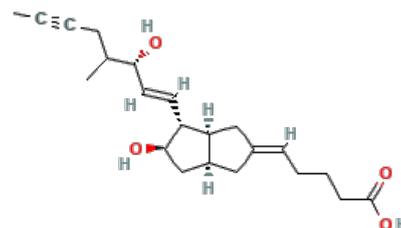
CAS Number: 78919-13-8

Compound CID: 5311181

Synonym: 78919-13-8; ZK36374; ZK 00036374; BAY Q6256;

(5*E*)-5-[(3*aS*,4*R*,5*R*,6*aS*)-5-Hydroxy-4-[(*E*,3*S*)-3-hydroxy-4-methyl-

oct-1-en-6-ynyl]-3,3*a*,4,5,6,6*a*-hexahydro-1*H*-pentalen-2-ylidene]pentanoic acid



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

Product Information

Description	Iloprost acts as a prostacyclin analog. The molecular weight of the compound is 360.49, and its molecular formula is $C_{22}H_{32}O_4$.
Molecular Weight	360.49
Molecular Formula	$C_{22}H_{32}O_4$
IUPAC Name	(5 <i>E</i>)-5-[(3 <i>aS</i> ,4 <i>R</i> ,5 <i>R</i> ,6 <i>aS</i>)-5-Hydroxy-4-[(<i>E</i> ,3 <i>S</i>)-3-hydroxy-4-methyloct-1-en-6-ynyl]-3,3 <i>a</i> ,4,5,6,6 <i>a</i> -hexahydro-1 <i>H</i> -pentalen-2-ylidene]pentanoic acid
InChI	InChI=1S/C22H32O4/c1-3-4-7-15(2)20(23)11-10-18-19-13-16(8-5-6-9-22(25)26)12-17(19)14-21(18)24/h8,10-11,15,17-21,23-24H,5-7,9,12-14H2,1-2H3,(H,25,26)/b11-10+,16-8+/t15?,17-,18+,19-,20+,21+/m0/s1
InChI Key	HIFJCPQKFCZDDL-ACWOEMLNSA-N
Canonical SMILES	<chem>CC#CCC(C)C(C=CC1C(CC2C1CC(=CCCCC(=O)O)C2)O)O</chem>
Isomeric SMILES	<chem>C(CSCC[C@@H]1[C@@H]2[C@@H]([C@H]([C@H](O1)O[C@@H]3[C@H](O[C@@H]([C@@H]([C@@H]3O)O)O[C@@H]4[C@H](O[C@@H]([C@@H]([C@H]4O)O)O[C@@H]5[C@H](O[C@@H]([C@@H]([C@H]5O)O)O[C@@H]6[C@H](O[C@@H]([C@@H]([C@H]6O)O)O[C@@H]7[C@H](O[C@@H]([C@@H]([C@H]7O)O)O[C@@H]8[C@H](O[C@@H]([C@@H]([C@H]8O)O)O[C@@H]9[C@H](O[C@@H](O2)[C@@H]([C@H]9O)O)CSCCC(=O)[O-])CSCCC(=O)[O-])CSCCC(=O)[O-])CSCC(=O)[O-])CSCCC(=O)[O-])CSCCC(=O)[O-])CSCCC(=O)[O-])CSCCC(=O)[O-])O)C(=O)[O-].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+]</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$



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	Iloprost can be used for its vasodilatory effects.
Storage	Store at -20°C, and keep desiccated.
