

Product Information

NAMPT inhibitor, P7C3-A20, Purity ≥98%

Cat. No.: X24-09-YM464

Size: 5 mg; 10 mg; 20 mg; 50 mg

MDL: MFCD28023591

CAS Number: 1235481-90-9

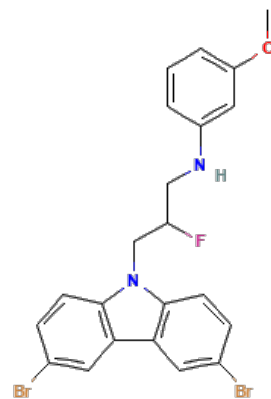
Compound CID: 46853447

Synonym: 1235481-90-9; P7C3A20; *N*-(3-(3,6-Dibromo-9*H*

-carbazol-9-yl)-2-fluoropropyl)-3-methoxyaniline; *N*

-[3-(3,6-Dibromocarbazol-9-yl)-2-fluoropropyl]-3-methoxyaniline; NAMPT inhibitor

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



Product Information

Description	P7C3-A20, soluble in DMSO, water and ethanol, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting NAMPT. The molecular weight of the compound is 506.21, and its molecular formula is C ₂₂ H ₁₉ Br ₂ FN ₂ O.
Molecular Weight	506.21
Molecular Formula	C ₂₂ H ₁₉ Br ₂ FN ₂ O
IUPAC Name	<i>N</i> -[3-(3,6-Dibromocarbazol-9-yl)-2-fluoropropyl]-3-methoxyaniline
InChI	InChI=1S/C22H19Br2FN2O/c1-28-18-4-2-3-17(11-18)26-12-16(25)13-27-21-7-5-14(23)9-19(21)20-10-15(24)6-8-22(20)27/h2-11,16,26H,12-13H2,1H3
InChI Key	XNLTWMBJFWQOU-UHFFFAOYSA-N
Canonical SMILES	COC1=CC=CC(=C1)NCC(CN2C3=C(C=C(C=C3)Br)C4=C2C=CC(=C4)Br)F
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 96 mg/mL (189.64 mM); Water: <1 mg/mL; Ethanol: <1 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	P7C3-A20 can be studied extensively for its potential therapeutic applications in the treatment of Alzheimer's disease and other cognitive disorders.



Storage

Store at -20°C, and keep desiccated.
