



Product Information

NAMPT inhibitor, P7C3, Purity ≥98%

Cat. No.: X24-09-YM465

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

MDL: MFCD00572918

CAS Number: 301353-96-8

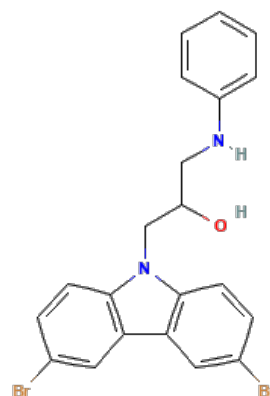
Compound CID: 2836187

Synonym: 301353-96-8; 1-(3,6-Dibromo-carbazol-9-yl)-3-phenylamino-propan-2-ol;

1-(3,6-dibromo-9H-carbazol-9-yl)-3-(phenylamino)propan-2-ol;

1-Anilino-3-(3,6-dibromocarbazol-9-yl)propan-2-ol;

1-Anilino-3-(3,6-dibromocarbazol-9-yl)propan-2-ol; NAMPT inhibitor



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

Product Information

Description	P7C3, soluble in DMSO and ethanol and insoluble in water, 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 474.19, and its molecular formula is C ₂₁ H ₁₈ Br ₂ N ₂ O.
Molecular Weight	474.19
Molecular Formula	C ₂₁ H ₁₈ Br ₂ N ₂ O
IUPAC Name	1-Anilino-3-(3,6-dibromocarbazol-9-yl)propan-2-ol
InChI	InChI=1S/C21H18Br2N2O/c22-14-6-8-20-18(10-14)19-11-15(23)7-9-21(19)25(20)13-17(26)12-24-16-4-2-1-3-5-16/h1-11,17,24,26H,12-13H2
InChI Key	FZHHRERIIVOATI-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)NCC(CN2C3=C(C=C(C=C3)Br)C4=C2C=CC(=C4)Br)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 81 mg/mL (170.82 mM); Water: insoluble; Ethanol: 17 mg/mL (35.84 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	P7C3 can be studied extensively for its potential therapeutic applications in the treatment of



neurodegenerative diseases, potentially improving cognitive functions and preventing neuronal loss.

Storage

Store at -20°C, and keep desiccated.
