

## Product Information

### Capadenoson

**Cat. No.:** X23-12-YM866

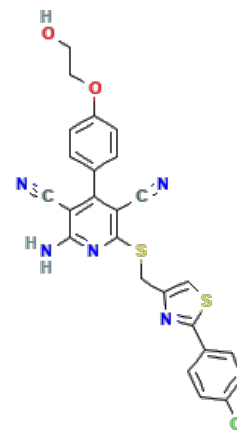
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 544417-40-5

**Compound CID:** 9936489

**Synonym:** 544417-40-5; BAY 68-4986

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



#### Product Information

<b>Description</b>	Capadenoson inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
<b>Molecular Weight</b>	520
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>18</sub> ClN <sub>5</sub> O <sub>2</sub> S <sub>2</sub>
<b>IUPAC Name</b>	2-Amino-6-[[[2-(4-chlorophenyl)-1,3-thiazol-4-yl]methylsulfanyl]-4-[4-(2-hydroxyethoxy)phenyl]pyridine-3,5-dicarbonitrile
<b>InChI</b>	InChI=1S/C25H18ClN5O2S2/c26-17-5-1-16(2-6-17)24-30-18(13-34-24)14-35-25-21(12-28)22(20(11-27)23(29)31-25)15-3-7-19(8-4-15)33-10-9-32/h1-8,13,32H,9-10,14H2,(H2,29,31)
<b>InChI Key</b>	CITWCLNVRKQAF-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC(=CC=C1C2=C(C(=NC(=C2C#N)SCC3=CSC(=N3)C4=CC=C(C=C4)Cl)N)C#N)OCCO
<b>Form</b>	Lyophilized powder
<b>Purity</b>	>98%
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	Capadenoson can be studied for its effect on regulating cardiac function, and modulation of these receptors can have various effects on the cardiovascular system.
<b>Storage</b>	Store at -20°C, and keep desiccated.