

## Product Information

### IB-MECA

**Cat. No.:** X23-12-YM894

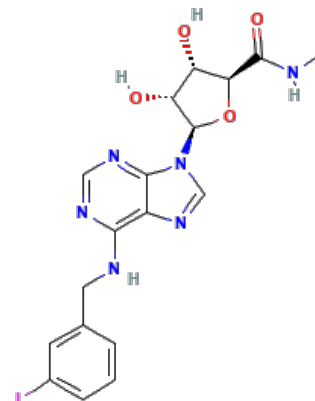
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 152918-18-8

**Compound CID:** 123683

**Synonym:** 152918-18-8; Piclidenoson

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



### Product Information

<b>Description</b>	IB-MECA inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
<b>Molecular Weight</b>	510.29
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>19</sub> I N <sub>6</sub> O <sub>4</sub>
<b>IUPAC Name</b>	(2S,3S,4R,5R)-3,4-Dihydroxy-5-[6-[(3-iodophenyl)methylamino]purin-9-yl]-N-methylxolane-2-carboxamide
<b>InChI</b>	InChI=1S/C18H19IN6O4/c1-20-17(28)14-12(26)13(27)18(29-14)25-8-24-11-15(22-7-23-16(11)25)21-6-9-3-2-4-10(19)5-9/h2-5,7-8,12-14,18,26-27H,6H2,1H3,(H,20,28)(H,21,22,23)/t12-,13+,14-,18+/m0/s1
<b>InChI Key</b>	HUJXGQILHAUCCV-MOROJQBDSA-N
<b>Canonical SMILES</b>	CNC(=O)C1C(C(C(O1)N2C=NC3=C(N=CN=C32)NCC4=CC(=CC=C4)I)O)O
<b>Isomeric SMILES</b>	CNC(=O)[C@@H]1[C@H]([C@H]([C@@H](O1)N2C=NC3=C(N=CN=C32)NCC4=CC(=CC=C4)I)O)O
<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>	IB-MECA can be used for research on asthma, rheumatoid arthritis, and inflammatory bowel disease.
<b>Storage</b>	Store at -20°C, and keep desiccated.



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