



## Product Information

### Bosentan

**Cat. No.:** X23-12-YM499

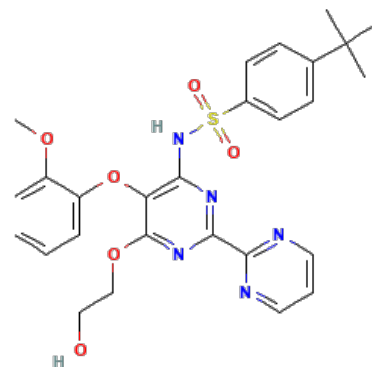
**Size:** 25 mg; 50 mg; 100 mg; 200 mg

**CAS Number:** 147536-97-8

**PubChem CID:** 104865

**Synonym:** 147536-97-8; Tracleer; Actelion

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



### Product Information

<b>Description</b>	Bosentan inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets ET-A, and ET-B.
<b>Molecular Weight</b>	551.6
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>29</sub> N <sub>5</sub> O <sub>6</sub> S
<b>Targets</b>	ET-A: 4.7 nM (Ki); ET-B: 95 nM (Ki)
<b>IUPAC Name</b>	4- <i>Tert</i> -butyl- <i>N</i> -[6-(2-hydroxyethoxy)-5-(2-methoxyphenoxy)-2-pyrimidin-2-ylpyrimidin-4-yl]benzenesulfonamide
<b>InChI</b>	InChI=1S/C27H29N5O6S/c1-27(2, 3)18-10-12-19(13-11-18)39(34, 35)32-23-22(38-21-9-6-5-8-20(21)36-4)26(37-17-16-33)31-25(30-23)24-28-14-7-15-29-24/h5-15, 33H, 16-17H2, 1-4H3, (H, 30, 31, 32)
<b>InChI Key</b>	GJPICJJRGTNOD-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C)C1=CC=C(C=C1)S(=O)(=O)NC2=C(C(=NC(=N2)C3=NC=CC=N3)OCCO)OC4=CC=CC=C4OC
<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>	Bosentan can be used to help improve exercise capacity and delay disease progression in patients with PAH.
<b>Storage</b>	Store at -20°C, and keep desiccated.