



## Product Information

### Zibotentan

**Cat. No.:** X23-12-YM493

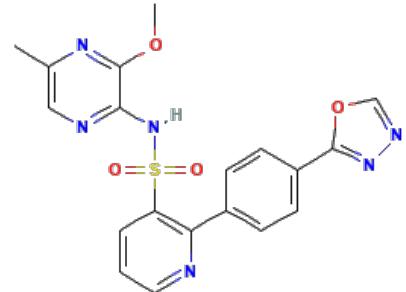
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 186497-07-4

**PubChem CID:** 9910224

**Synonym:** 186497-07-4; ZD-4054

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



### Product Information

|                          |  |
|--------------------------|--|
| <b>Description</b>       | Zibotentan (ZD4054), soluble in DMSO and insoluble in water and ethanol, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins. It targets ET-A. |
| <b>Molecular Weight</b>  | 424.4  |
| <b>Molecular Formula</b> | C <sub>19</sub> H <sub>16</sub> N <sub>6</sub> O <sub>4</sub> S  |
| <b>Targets</b>           | ET-A: 21 nM  |
| <b>IUPAC Name</b>        | N-(3-Methoxy-5-methylpyrazin-2-yl)-2-[4-(1, 3, 4-oxadiazol-2-yl)phenyl]pyridine-3-sulfonamide  |
| <b>InChI</b>             | InChI=1S/C19H16N6O4S/c1-12-10-21-17(19(23-12)28-2)25-30(26, 27)15-4-3-9-20-16(15)13-5-7-14(8-6-13)18-24-22-11-29-18/h3-11H, 1-2H3, (H, 21, 25)                                       |
| <b>InChI Key</b>         | FJHHZXWJVIEFGJ-UHFFFAOYSA-N  |
| <b>Canonical SMILES</b>  | CC1=CN=C(C(=N1)OC)NS(=O)(=O)C2=C(N=CC=C2)C3=CC=C(C=C3)C4=NN=CO4  |
| <b>Form</b>              | Lyophilized powder   |
| <b>Purity</b>            | >98%   |
| <b>Solubility</b>        | DMSO: 23 mg/mL (54.18 mM); Water: insoluble; Ethanol: insoluble  |
| <b>Stability</b>         | The product is stable for three years when stored at the recommended temperature in lyophilized powder.  |
| <b>Applications</b>      | Zibotentan (ZD4054) can be used for its effects on promoting tumor growth, angiogenesis (formation of new blood vessels), and metastasis.  |
| <b>Storage</b>           | Store at -20°C, and keep desiccated.   |