



Product Information

Zibotentan

Cat. No.: X23-12-YM493

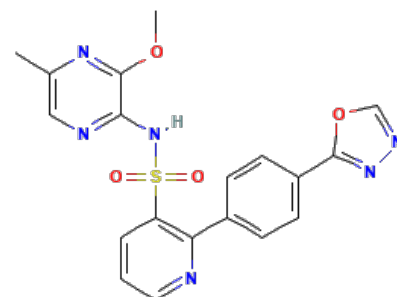
Size: 5 mg; 10 mg; 50 mg; 100 mg

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

Description	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.
Molecular Weight	424.4
Molecular Formula	C ₁₉ H ₁₆ N ₆ O ₄ S
Targets	ET-A: 21 nM
IUPAC Name	<i>N</i> -(3-Methoxy-5-methylpyrazin-2-yl)-2-[4-(1,3,4-oxadiazol-2-yl)phenyl]pyridine-3-sulfonamide
InChI	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)
InChI Key	FJHHZXWJVIEFGJ-UHFFFAOYSA-N
Canonical SMILES	CC1=CN=C(C(=N1)OC)NS(=O)(=O)C2=C(N=CC=C2)C3=CC=C(C=C3)C4=NN=CO4
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 23 mg/mL (54.18 mM); Water: insoluble; Ethanol: insoluble
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Zibotentan (ZD4054) can be used for its effects on promoting tumor growth, angiogenesis (formation of new blood vessels), and metastasis.
Storage	Store at -20°C, and keep desiccated.