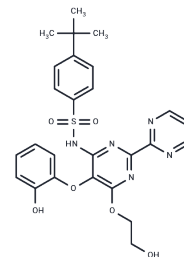


## Desmethyl Bosentan

## Chemical Properties

CAS No. :	253688-61-8
Formula:	C <sub>26</sub> H <sub>27</sub> N <sub>5</sub> O <sub>6</sub> S
Molecular Weight:	537.59
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Desmethyl bosentan, an active metabolite of the endothelin receptor antagonist bosentan, activates the pregnane X receptor (PXR) in CV-1 monkey kidney cells expressing the human receptor in a reporter assay at a concentration of 25 μM.
Targets(IC50)	Others,Cytochromes P450,Drug Metabolite

## Solubility Information

Solubility	DMSO: Soluble Acetonitrile: Soluble Methanol: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8602 mL	9.3008 mL	18.6015 mL
5 mM	0.372 mL	1.8602 mL	3.7203 mL
10 mM	0.186 mL	0.9301 mL	1.8602 mL
50 mM	0.0372 mL	0.186 mL	0.372 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

van Giersbergen, P.L.M., Gnerre, C., Treiber, A., et al. Bosentan, a dual endothelin receptor antagonist, activates the pregnane X nuclear receptor. *Br. J. Clin. Pharmacol.* 54(5)561-562(2002)

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