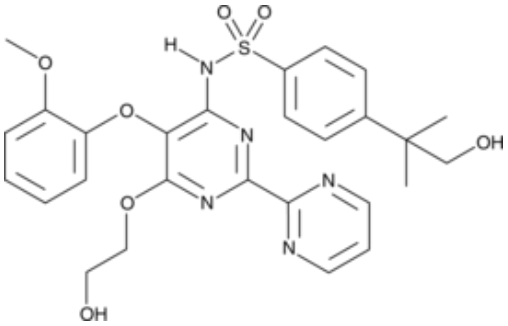
Product Data Sheet

Product Name: Hydroxy Bosentan
Cat. No.: GC43876

Chemical Properties

Cas. No.	253688-60-7		
SMILES	COC1=CC=CC=C1OC2=C(NS(C3=CC=C(C(C)(CO)C)C=C3)(=O)=O)N=C(C4=NC=CC=N4)N=C2OCCO		
Formula	C27H29N5O7S	M.Wt	567.6
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Hydroxy bosentan is an active phase I metabolite of bosentan produced by the cytochrome P450 isoforms CYP3A4 and CYP2C9. Bosentan is an antagonist of the endothelin receptors type A (Ki = 6.5 nM) and type B (Ki = 340 nM). Up to 20% of the activity of bosentan may be due to the action of hydroxy bosentan because even though it has a lower affinity for endothelin receptors, its concentration is 3-fold higher in plasma.

Caution: Product has not been fully validated for medical applications. For research use only.
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