Hydroxy Bosentan
Item No. 22366

CAS Registry No.: 253688-60-7
Formal Name: 4-(2-hydroxy-1,1-dimethylethyl)-N-[6-(2-
hydroxyethoxy)-5-(2-methoxyphenoxy)
[2,2’-bipyrimidin]-4-yl]-benzenesulfonamide
Synonyms: Ro 48-5033, Ro 48-8634
MF: C_{27}H_{29}N_5O_7S
FW: 567.6
Purity: ≥98%
Supplied as: A solid
Storage: 2-8°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Hydroxy bosentan is an active phase I metabolite of bosentan (Item No. 11731) produced by the cytochrome P450 isoforms CYP3A4 and CYP2C9.1,2 Bosentan is an antagonist of the endothelin receptors type A (K_i = 6.5 nM) and type B (K_i = 340 nM).3,4 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.5

References