

Aprocitentan

Catalog No: tcsc2687



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1103522-45-7

Formula:

$C_{16}H_{14}Br_2N_6O_4S$

Pathway:

GPCR/G Protein

Target:

Endothelin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : \geq 46 mg/mL (84.22 mM)

Alternative Names:

ACT-132577

Observed Molecular Weight:

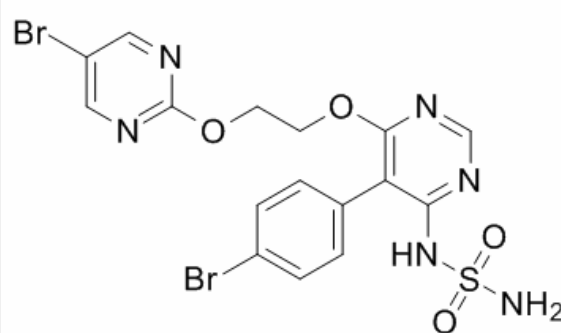
546.19

Product Description

Aprocitentan (ACT-132577) is the major and pharmacologically active metabolite of macitentan, which is dual **ETA/ETB** antagonist designed for tissue targeting.

In Vitro: Aprocitentan (ACT-132577) achieves full inhibition of intracellular calcium increase induced by ET-1 on nonrecombinant cells (primary human pulmonary smooth muscle cells and rat aortic smooth muscle cell line A10 and mouse fibroblast cell line 3T3)^[1].

In Vivo: Aprocitentan (ACT-132577) has a volume of distribution greater than the plasma volume and a longer half-life than its parent compound in the rat^[1]. In rat plasma, the mean recovery of Aprocitentan (ACT-132577) ranges from 82.6% to 90.6%, matrix effect of Aprocitentan (ACT-132577) in rat plasma ranges from 101.4% to 115.2%^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!