

Seratrodast

Catalog No: tcsc2970



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

112665-43-7

Formula:

$C_{22}H_{26}O_4$

Pathway:

GPCR/G Protein

Target:

Prostaglandin Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 100 mg/mL (282.14 mM)

Alternative Names:

AA 2414

Observed Molecular Weight:

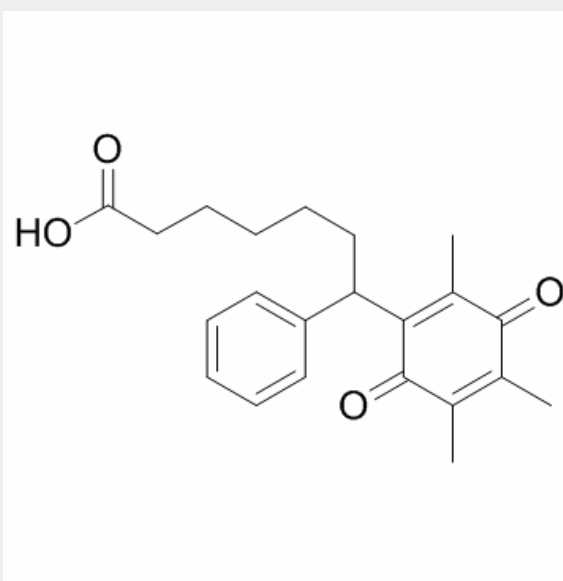
354.44

Product Description

Seratrodast(AA 2414) is a potent and selective thromboxane A2 receptor (TP) antagonist.

Target: Thromboxane A2 Receptor

Seratrodast, also known as AA-2414, is a potent and selective antagonist of the TXA₂R (thromboxane A₂ receptor). AA-2414 reduced the induction of pulmonary inflation caused by LTD₄ aerosol inhalation. AA-2414 competitively inhibited the contractile response to U-46619 in guinea pig tracheal and parenchymal strips and dog saphenous vein strips with pA₂ values of 7.69, 8.29 and 6.79, respectively. AA-2414, a quinone derivative, is a novel, potent and orally active antagonist of a variety of spasmogenic prostanoids [1]. AA-2414 inhibited peroxide-induced vasoconstriction in the human placenta, as well as peroxide-induced increases in the placental secretion rates of lipid peroxides and thromboxane, but only partially inhibited peroxide-induced increases in the placental secretion rate of prostacyclin [2].



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