
Product Data Sheet

Product Name: Daltroban

Cat. No.: GC38763

Chemical Properties

Cas. No. 79094-20-5

SMILES O=C(CC1=CC=C(C=C1)CCNS(=O)(C2=CC=C(C=C2)Cl)=O)OFormula C₁₆H₁₆ClNO₄S M.Wt 353.82

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**

Daltroban is a thromboxane receptor (TP) antagonist.¹ It inhibits aggregation of isolated human platelets induced by the TP agonist U-46619 . Daltroban increases mean pulmonary arterial pressure (MPAP), mean arterial pressure (MAP), and hematocrit levels in anesthetized rats (ED₅₀s = 20, 217, and 94 µg/kg, respectively). It maintains post-reinfusion MAP and superior mesenteric artery flow in a cat model of hemorrhagic shock when administered at a dose of 1 mg/kg.² Daltroban (0.25-2 mg/kg) increases survival and decreases circulating platelet count in a rabbit model of sodium arachidonate-induced sudden death.³

1. Bertolino, F., Valentin, J.P., Maffre, M., et al. Intrinsic activity of the non-prostanoid thromboxane A₂ receptor antagonist, daltroban (BM 13,505), in human platelets in vitro and in the rat vasculature in vivo. *Br. J. Pharmacol.* 115:210-216(1995)
 2. Bitterman, H., Yanagisawa, A., and Lefer, A.M. Beneficial actions of thromboxane receptor antagonism in hemorrhagic shock. *Circ. Shock* 20(1):1-11(1986)
 3. Lefer, D.J., Mentley, R.K., and Lefer, A.M. Protective effects of a new specific thromboxane antagonist in arachidonate-induced sudden death. *Arch. Int. Pharmacodyn. Ther.* 287(1):89-95(1987)

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

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