
Product Data Sheet

Product Name: LCB-2853

Cat. No.: GC33550

Chemical Properties

Cas. No. 141335-10-6

SMILES O=C(O)CC1=CC=C(CC2(CNS(=O)(C3=CC=C(Cl)C=C3)=O)CCCC2)C=C1Formula $C_{21}H_{24}ClNO_4S$ M.Wt 421.94

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**

LCB-2853 is an antagonist of thromboxane A₂ (TXA₂) receptor, with antiplatelet and antithrombotic activities.

In dog coronary stenosis, LCB 2853 shows a very high efficacy with ED₅₀ of 7.2 µg/kg. In rat venous thrombosis induced by combination of venous injury and blood stasis, perfused LCB 2853 decreases the weight of thrombi in a dose related manner with ED₅₀ of 220 µg/kg/min[1]. In vivo, both against platelet aggregation and vasoconstriction, LCB 2853 shows an ED₅₀ lower than 1 mg/kg i.v. in rat AA-induced thrombocytopenia or U 46619-induced hypertension (ED₅₀ = 0.25 and 0.16 mg/kg) as well as in AA-induced sudden death in the mouse (ED₅₀ = 0.44 mg/kg). The U 46619-induced bronchoconstriction is blocked after i.v. administration of LCB 2853 (ED₅₀ = 18.4 µg/kg) [2].

[1]. Depin JC, et al. Pharmacodynamics and antithrombotic effects after intravenous administration of the new thromboxane A₂ receptor antagonist sodium 4-[[1-[[[(4-chlorophenyl)sulfonyl]amino]methyl]cyclopentyl] methyl]benzeneacetate.

Arzneimittelforschung. 1994 Nov;44(11):1203-7. [2]. Lardy C, et al. Antiaggregant and

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

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antivasospastic properties of the new thromboxane A2 receptor antagonist sodium 4-[[1-[[[(4-chlorophenyl)sulfonyl]amino]methyl]cyclopentyl] methyl]benzeneacetate.

Arzneimittelforschung. 1994 Nov;44(11):1196-202.

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