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**Product Data Sheet**

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Product Name: A 127722

Cat. No.: GC50247

**Chemical Properties**

Cas. No. 195704-72-4

SMILES O=C(O)[C@@H]1[C@@H](C2=CC=C(OC)C=C2)N(CC(N(CCCC)CCCC)=O)C[C@H]1C3=CC4=C(OCO4)C=C3Formula  $C_{29}H_{38}N_2O_6$  M.Wt 510.62

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**

Highly potent and selective ETA endothelin receptor antagonist (IC50 values are 0.11 nM and 98 nM for human ETA and ETB receptors, respectively). Attenuates hypoxia-induced pulmonary hypertension in rats. Orally bioavailable.

Winn et al (1996) 2,4-Diarylpyrrolidine-3-carboxylic acids--potent ETA selective endothelin receptor antagonists. 1. Discovery of A-127722. J.Med.Chem. 39 1039 PMID:8676339 |Opgenoth et al (1996) Pharmacological characterization of A-127722: an orally active and highly potent ETA-selective receptor antagonist. J.Pharmacol.Exp.Ther. 276 473 PMID:8632312 |Chen et al (1997) The orally active nonpeptide endothelin A-receptor antagonist A-127722 prevents and reverses hypoxia-induced pulmonary hypertension and pulmonary vascular remodeling in Sprague-Dawley rats. J.Cardiovasc.Pharmacol 29 713 PMID:9234651

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

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