

Product Data Sheet

Product Name: Liensinine Diperchlorate

Cat. No.: GC38150

Chemical Properties

Cas. No. 5088-90-4

SMILES O=Cl(=O)(O)=O.CN1[C@@H](C2=CC(OC3=CC(C[C@@H]4C5=CC(OC)=C(OC)C=C5CCN4C)=CC=C3O)=C(OC)C=C2CC1)CC6=CC=C(O)C=C6.O=Cl(=O)(O)=O

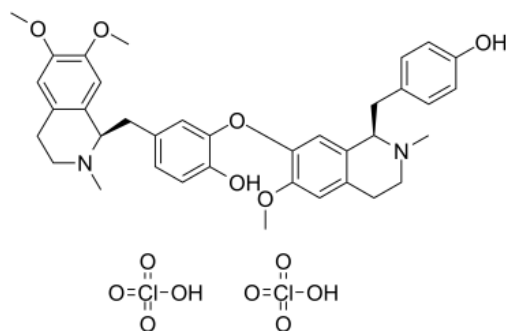
Formula $C_{37}H_{44}Cl_2N_2O_{14}$ M.Wt 811.66

Solubility DMSO: 62.5 mg/mL (77.00 mM) 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

Liensinine Diperchlorate is a major isoquinoline alkaloid, extracted from the seed embryo of *Nelumbo nucifera* Gaertn. Liensinine Diperchlorate inhibits late-stage autophagy/mitophagy through blocking autophagosome-lysosome fusion. Liensinine Diperchlorate has a wide range of biological activities, including anti-arrhythmias, anti-hypertension, anti-pulmonary fibrosis, relaxation on vascular smooth muscle, etc[1].

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

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[1]. Zhou J, et al. A novel autophagy/mitophagy inhibitor liensinine sensitizes breast cancer cells to chemotherapy through DNM1L-mediated mitochondrial fission. *Autophagy*. 2015;11(8):1259-79.

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