
Product Data Sheet

Product Name: UK51656

Cat. No.: GC32571

Chemical Properties

Cas. No. 88150-59-8

SMILES O=C(C(C(C(C=CC=C1)=C1Cl)C(C(OC)=O)=C(C)N2)=C2COCCNCC(N)=O)OCCFormula $C_{22}H_{28}ClN_3O_6$ M.Wt 465.93

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**

UK51656 is a calcium antagonist with IC50 of 4 nM.

UK51656 has an elimination half-life of 4.7 h, which is consistent with its duration of action in the anesthetized dog. The effect of UK51656 on coronary vascular resistance, has markedly long durations, being over 5 h[1].

[1]. Alker D, et al. Long-acting dihydropyridine calcium antagonists. 4. Synthesis and structure-activity relationships for a series of basic and nonbasic derivatives of 2-[(2-aminoethoxy)methyl]-1,4-dihydropyridine calcium antagonists. J Med Chem. 1990 Feb;33(2):585-91.

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

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