
Product Data Sheet

Product Name: Tiapamil hydrochloride (Ro 11-1781)

Cat. No.: GC32549

Chemical Properties

Cas. No. 57010-32-9

SMILES CN(CCC1=CC=C(OC)C(OC)=C1)CCCC(S(CCC2)(=O)=O)(C3=CC=C(OC)C(OC)=C3)S2(=O)=O.[H]ClFormula C₂₆H₃₈ClNO₈S₂ M.Wt 592.16

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**

Tiapamil hydrochloride is a calcium channel blocker.

Tiapamil, a new calcium antagonist: hemodynamic effects in patients with acute myocardial infarction. Tiapamil is a new verapamil congener. Without precipitating left ventricular failure, Tiapamil reduced afterload and heart rate and maintained cardiac index while apparently improving diastolic compliance[1]. Tiapamil, a new calcium channel blocking agent with anti-anginal efficacy[2].

[1]. Eichler HG, et al. Tiapamil, a new calcium antagonist: hemodynamic effects in patients with acute myocardial infarction. *Circulation*. 1985 Apr;71(4):779-86. [2]. Khurmi NS, et al. Tiapamil, a new calcium channel blocking agent for the treatment of effort induced chronic stable angina pectoris.

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

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