
Product Data Sheet

Product Name: SM-6586

Cat. No.: GC32552

Chemical Properties

Cas. No. 103898-38-0

SMILES O=C(C1=C(C)NC(C)=C(C2=NC(CN(C)CC3=CC=CC=C3)=NO2)C1C4=CC=CC([N+][O-])=O)=C4)OCFormula C₂₆H₂₇N₅O₅ M.Wt 489.52

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**

SM-6586 is a calcium channel antagonist and inhibitor of Na⁺/H⁺ and Na⁺/Ca²⁺ exchange transport, potentially for the treatment of cerebrovascular diseases and hypertension.

In SM-6586-treated spontaneously hypertensive rats, the survival rate after bilateral common carotid artery ligation is higher, the brain water content is lower, and the ATP level is higher and lactate level. In focal ischemia models, the SM-treated group shows a reduction of T1 relaxation time. The brain water content is significantly decreased in the SM-treated group[1].

[1]. Kashiwagi F, et al. Effect of a new calcium antagonist (SM-6586) on experimental cerebral ischemia. Acta Neurochir Suppl (Wien). 1994;60:289-92.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
