

Product Data Sheet

Product Name: Sultiame
Cat. No.: GC30899

Chemical Properties

Cas. No. 61-56-3

SMILES O=S(C1=CC=C(N(CCCC2)S2(=O)=O)C=C1)(N)=O

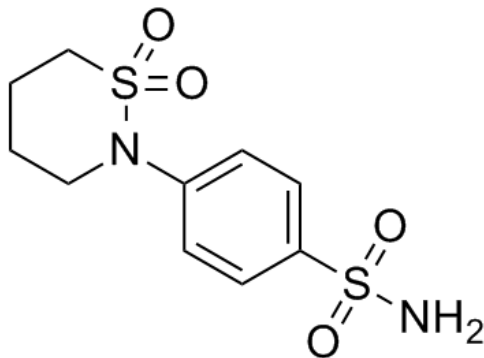
Formula $C_{10}H_{14}N_2O_4S_2$ M.Wt 290.36

Solubility DMSO : 50 mg/mL (172.20 mM; Need ultrasonic) 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

Sultiame is a carbonic anhydrase inhibitor, widely used as an antiepileptic drug.

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

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Sultiame (Sulthiame) is a sulphonamide, and it may exerts antiepileptic activity by producing a modest intracellular acidosis in central neurons via acting as a carbonic anhydrase inhibitor, thereby reducing the frequency of action potentials and epileptiform bursts[1].

[1]. Milburn-McNulty P, et al. Sulthiame add-on therapy for epilepsy. Cochrane Database Syst Rev. 2015 Oct 28;(10):CD009472.

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