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## Product Data Sheet

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Product Name: Anti-hypertensive sulfonanilide 1

Cat. No.: GC33770

### Chemical Properties

Cas. No. 129280-22-4

SMILES CS(=O)(NC1=CC=C(C(O)CNCC(CCC2=C3C=CC=C2)C3=O)C=C1)=O.[H]Cl

Formula  $C_{20}H_{25}ClN_2O_4S$  M.Wt 424.94

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

### Protocol

#### Animal experiment:

Rats[1]The blood pressure lowering activities of Anti-hypertensive sulfonanilide 1 is evaluated in conscious, genetically hypertensive rats (300-450 g). The oral doses of Anti-hypertensive sulfonanilide 1 are 3, 10, 30 mg/kg. Systolic and diastolic blood pressure measurements are made directly from the indwelling arterial cannula[1].

References:

[1]. Mcdermed J, et al. Anti-hypertensive sulfonanilides. EP0338793A2.

### Background

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

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Anti-hypertensive sulfonanilide 1 is a potent antihypertensive agent extracted from patent EP0338793A2, compound XVIIIa,b\*, example No.1.

Anti-hypertensive sulfonanilide 1 can be classified as tetralin sulfonanilides, is found to have antihypertensive properties and is therefore useful in controlling elevated blood pressure in mammals such as humans. The effective antihypertensive amount for use will vary both with the route of administration, the condition under treatment and the mammal undergoing treatment, and is ultimately at the discretion of the physician. A suitable oral dose of the active compound for a mammal is in the range of from about 1 to about 50 mg per kilogram body weight per day; preferably from about 2 to about 20 mg/kg[1].

[1]. Mcdermed J, et al. Anti-hypertensive sulfonanilides. EP0338793A2.

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