Product datasheet

Glimepiride ab142301

Overview

Product name: Glimepiride
Description: Potent cardiac $K_{ATP}$ channel blocker
Biological description: Potent cardiac $K_{ir}$ (K$\text{ATP}$) channel blocker ($IC_{50} = 6.8$ nM). Antidiabetic agent. Orally active and active in vivo.
Purity: > 98%

Properties

Chemical name: 4-Ethyl-3-methyl-$N$-[2-[4-[[4-methylcyclohexyl]carbamoylsulfamoyl]phenyl]ethyl]-5-oxo-2$H$-pyrrole-1-carboxamide
Molecular weight: 490.62
Chemical structure:

Molecular formula: $C_{24}H_{34}N_{4}O_{5}S$
CAS Number: 93479-97-1
PubChem identifier: 3476
Storage instructions: Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview: Soluble in DMSO to 25 mM
Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CCC1=C(CN(C1=O)(C(=O)NCC2=CC=C(C=C2)S(=O)(=O)NC(=O)NC3CCC(CC3)C)=O)
Source: Synthetic
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
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