Datasheet

Product overview

Name: Repaglinide
Cat No: HB1106
Short description: Potent SUR1 / Kir6.2 channel blocker
Biological description: Potent SUR1 / Kir6.2 channel blocker (Kd = 0.42 nM). Also binds to sulphonylurea receptor 1 (SUR1) alone (Kd = 59 nM). Displays antidiabetic properties.
Alternative names: AG-EE 623ZW
Biological action: Blocker
Purity: >99%

Properties

Chemical name: 2-Ethoxy-4-{2-[(1S)-3-methyl-1-[2-(1-piperidinyl)phenyl]butyl]amino}-2-oxoethyl]benzoic acid
Molecular Weight: 452.59
Chemical structure:

![Chemical structure of Repaglinide]

Molecular Formula: C_{27}H_{36}N_{2}O_{4}
CAS Number: 135062-02-1
PubChem identifier: 65981
SMILES: O=C(CC3=CC(OCC)=C(C(O)=O)C=C3)N[C@@H](CC(C)C)C1=CC=CC=C1N2CCCCC2
InChiKey: FAEKWTJYAYMJKF-QHCPKHFHSA-N

Storing and Using Your Product

Storage instructions: +4 °C
Solubility overview: Soluble in DMSO (100mM) or ethanol (100mM)
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for Repaglinide
Kir6.2-dependent high-affinity repaglinide binding to beta-cell K(ATP) channels.
PubMedID: 15678092

Antioxidative and anti-inflammatory effects of repaglinide in plasma of diabetic animals.
PubMedID: 15967382

Novel anti-inflammatory effects of repaglinide in rodent models of inflammation.
PubMedID: 22086064