Repaglinide

Catalog Number R9028
Storage Temperature 2–8 °C

CAS RN 135062-02-1
Synonyms: (S)-(+)2-Ethoxy-4-[N-[1-(2-piperidinophenyl)-3-methyl-1-butyl]aminocarbonylmethyl]benzoic acid, Novonorm, Prandin®

Product Description

The specificity of repaglinide for three types of cloned (KATP) channels, Kir6.2/SUR1, Kir6.2/SUR2A, and Kir6.2/SUR2B, where the sulfonylurea receptors SUR1, SUR2A, and SUR2B correspond to the β-cell, cardiac, and smooth muscle types of KATP channel, respectively, was determined by whole-cell current recordings of KATP channels expressed either in Xenopus oocytes or mammalian cells (HEK293). Repaglinide interacted with a site common to all three types of receptor leading to inhibition of the KATP channel. MgADP potentiated this effect in the case of the β-cell, but not cardiac, type of channel.¹

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Repaglinide is soluble in DMSO (≥20 mg/ml).

Storage/Stability

Store the product at 2–8 °C.

References


Prandin is a registered trademark of Novo Nordisk A/S.

AH,PHC,MAM 02/10-1