Repaglinide-d_5

Cat. No.: HY-15209S

CAS No.: 1217709-85-7

Molecular Formula: $C_{27}H_{31}D_5N_2O_4$

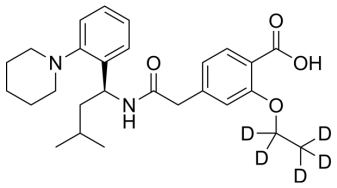
Molecular Weight: 457.62

Target: Potassium Channel; Isotope-Labeled Compounds

Pathway: Membrane Transporter/Ion Channel; Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (218.52 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1852 mL	10.9261 mL	21.8522 mL
	5 mM	0.4370 mL	2.1852 mL	4.3704 mL
	10 mM	0.2185 mL	1.0926 mL	2.1852 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Repaglinide-d_5 is deuterium labeled Repaglinide. Repaglinide is an insulin secretagogue for the treatment of type-2 diabetes mellitus[1].

In Vitro

Repaglinide reduces postprandial glucose levels by enhancing the early phase of insulin secretion and increasing the total amount of insulin secreted[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wang LC, et al. Characteristics of repaglinide and its mechanism of action on insulin secretion in patients with newly diagnosed type-2 diabetes mellitus.Medicine (Baltimore). 2018 Sep;97(38):e12476.

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

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