

## GKA50 quarterhydrate

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>30</sub>N<sub>2</sub>O<sub>7</sub>

Molecular Weight: 469.01

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	GKA50 quarterhydrate is a potent glucokinase activator with an EC <sub>50</sub> value of 33 nM. This glucose-like activator of $\beta$ -cell metabolism in rodent and human pancreatic islets is a Ca <sup>2+</sup> -dependent regulator of insulin secretion. It stimulates insulin secretion in mouse islets and significantly reduces blood glucose in high-fat-fed female rats.
Targets(IC <sub>50</sub> )	Others,Glucokinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1322 mL	10.6608 mL	21.3215 mL
5 mM	0.4264 mL	2.1322 mL	4.2643 mL
10 mM	0.2132 mL	1.0661 mL	2.1322 mL
50 mM	0.0426 mL	0.2132 mL	0.4264 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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