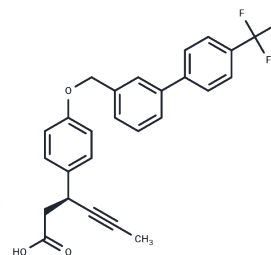


## AMG 837

## Chemical Properties

CAS No. :	865231-46-5
Formula:	C <sub>26</sub> H <sub>21</sub> F <sub>3</sub> O <sub>3</sub>
Molecular Weight:	438.44
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	AMG 837 is a novel and potent GPR40/FFA1 agonist that enhances insulin secretion and lowers blood glucose levels in rodents.
Targets(IC50)	GPCR
In vivo	Acute administration of AMG 837 lowered glucose excursions and increased glucose stimulated insulin secretion during glucose tolerance tests in both normal and Zucker fatty rats. The improvement in glucose excursions persisted following daily dosing of AMG 837 for 21-days in Zucker fatty rats. [2]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2808 mL	11.4041 mL	22.8081 mL
5 mM	0.4562 mL	2.2808 mL	4.5616 mL
10 mM	0.2281 mL	1.1404 mL	2.2808 mL
50 mM	0.0456 mL	0.2281 mL	0.4562 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.

## Reference

Houze JB, et al. AMG 837: a potent, orally bioavailable GPR40 agonist. *Bioorg Med Chem Lett.* 2012 Jan 15;22(2):1267-70.

Lin DC, et al. AMG 837: a novel GPR40/FFA1 agonist that enhances insulin secretion and lowers glucose levels in rodents. *PLoS One.* 2011;6(11):e27270.

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