

Product Data Sheet

Product Name: AMG PERK 44

Cat. No.: GC39156

Chemical Properties

Cas. No. 1883548-84-2

SMILES O=C1N(C2=CC=CC=C2)N(C)C(C3=CC=CC=C3)=C1C(C4=CC=C(C)C(C5=CC=C6N=C(C)C=CC6=C5)=C4N)=O.[H]Cl

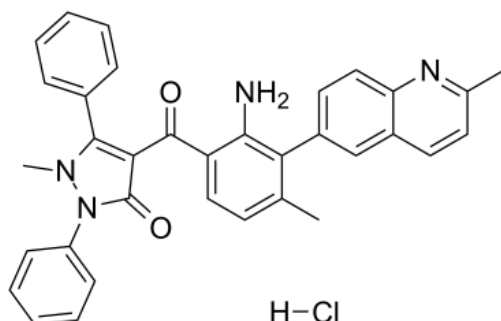
Formula $C_{34}H_{29}ClN_4O_2$ M.Wt 561.07

Solubility DMSO: 25 mg/mL (44.56 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

AMG PERK 44 is an orally active and highly selective PERK inhibitor with an IC₅₀ of 6 nM. AMG PERK 44 has 1000-fold and 160-fold selectivity over GCN2 (IC₅₀=7300 nM) and B-Raf (IC₅₀ >1000 nM), respectively[1][2].

[1]. Smith AL, et al. Discovery of 1H-pyrazol-3(2H)-ones as potent and selective inhibitors of protein kinase R-like endoplasmic reticulum kinase (PERK). J Med Chem. 2015 Feb 12;58(3):1426-41. [2].

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Roest G, et al. The ER Stress Inducer l-Azetidine-2-Carboxylic Acid Elevates the Levels of Phospho-eIF2 α and of LC3-II in a Ca²⁺-Dependent Manner. Cells. 2018 Nov 30;7(12). pii: E239.

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