

Product Data Sheet

Product Name: AZD 2858 hydrochloride

Cat. No.: GB40110

Chemical Properties

Cas. No. 2108876-05-5

Formula $C_{21}H_{23}N_7O_3S \cdot HCl$

M.Wt 489.98

Solubility

Storage

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

Potent and highly selective Glycogen Synthase Kinase-3 β (GSK-3 β ; Ki value 4.9 nM) inhibitor for Alzheimer's disease with good BBB permeability in a bovine endothelial cell assay. AZD 2858 inhibits GSK-3 β -mediated tau phosphorylation (IC50 value 76 nM) in vitro, and shows a good overall selectivity versus a panel of 26 kinases and >100 fold selectivity over CDK2 (Ki value 540 nM). In rats, oral AZD2858 treatment caused a dose-dependent increase in trabecular bone mass by GSK-3 mediated inhibition of Wnt canonical signaling, making AZD2858 a possible therapeutic candidate for osteoporosis.

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

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