

Product Data Sheet

Product Name: AMG131

Cat. No.: GC62836

Chemical Properties

Cas. No. 315224-26-1

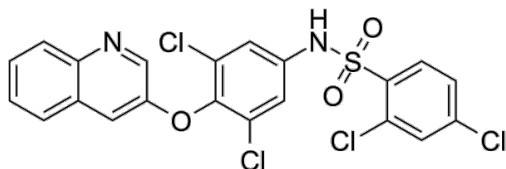
Formula $C_{21}H_{12}Cl_4N_2O_3S$ M.Wt 514.21

Solubility DMSO : 250 mg/mL (486.18 mM; Need ultrasonic) 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

AMG131 (INT131), a potent and highly selective PPAR γ partial agonist, binds to PPAR γ and displaces Rosiglitazone with a K_i of ~10 nM. AMG131 can be used for research of type-2 diabetes mellitus (T2DM)[1][2].

AMG131 (INT131) binds to PPAR γ and displaces Rosiglitazone with a K_i of ~10 nM, demonstrating

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

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~20-fold higher affinity than either Rosiglitazone or Pioglitazone, and with greater than 1000-fold selectivity for PPAR γ over PPAR α , PPAR δ , or a set of other nuclear receptors. AMG131 is highly selective for PPAR γ , with no binding to PPAR α or δ at 10 μ M, 1000 fold over the K_i for PPAR γ [1].

AMG131 (INT131; 80 mg/kg; 14-day oral treatment) increases in glucose tolerance in Zucker (fa/fa) rats following[2]

[1]. Linda S Higgins, et al. The Development of INT131 as a Selective PPARgamma Modulator: Approach to a Safer Insulin Sensitizer. PPAR Res. 2008;2008:936906.

[2]. Alykhan Motani, et al. INT131: a selective modulator of PPAR gamma. J Mol Biol. 2009 Mar 13;386(5):1301-11.

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