

Product Data Sheet

Product Name: BAY-1128688

Cat. No.: GC81767

Chemical Properties

Cas. No. 1428988-21-9

Formula $C_{28}H_{31}FN_2O_3$ M.Wt 462.56

Solubility DMSO: 25 mg/mL (54.05 mM; Need ultrasonic) Storage Store at -20°C, protect from light, stored under nitrogen

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

BAY-1128688 is a potent, orally active and selective AKR1C3 inhibitor with $IC_{50} < 2$ nM. BAY-1128688 shows high selectivity over related AKR1C enzymes (1C1, 1C2, 1C4) and AKR1D1. BAY-1128688 exhibits no relevant activity at major nuclear hormone receptors. BAY-1128688 reduces endometriotic lesions in the marmoset monkey endometriosis model. BAY-1128688 can be used for endometriosis research [1].

References:

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

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[1]. Hilpert J, et al. Hepatotoxicity of AKR1C3 Inhibitor BAY1128688: Findings from an Early Terminated Phase IIa Trial for the Treatment of Endometriosis. *Drugs R D*. 2023 Sep;23(3):221-237.

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