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:

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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.

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