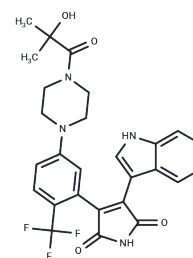


TCS 21311

Chemical Properties

CAS No. : 1260181-14-3
 Formula: C₂₇H₂₅F₃N₄O₄
 Molecular Weight: 526.51
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	TCS 21311 (NIBR3049) is an effective and highly selective inhibitor of JAK3 (IC ₅₀ : 8 nM). TCS 21311 inhibits PKC α , PKC θ , and GSK3 β (IC ₅₀ s: 13, 68, and 3 nM, respectively). It displays >100-fold selectivity over JAK1, JAK2, and TYK2.
Targets(IC ₅₀)	GSK-3,JAK,PKC
In vitro	TCS 21311 displays moderate activity in this cellular assay (IC ₅₀ =689 nM, Jurkat cells), which is in good agreement with its enzymatic Pkc activity. TCS 21311 shows IC ₅₀ values of 1.017, 2.550, and 8.055 μ M for JAK1, JAK2, and TYK2, respectively?in an enzymatic Jak assay [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8993 mL	9.4965 mL	18.993 mL
5 mM	0.3799 mL	1.8993 mL	3.7986 mL
10 mM	0.1899 mL	0.9496 mL	1.8993 mL
50 mM	0.038 mL	0.1899 mL	0.3799 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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