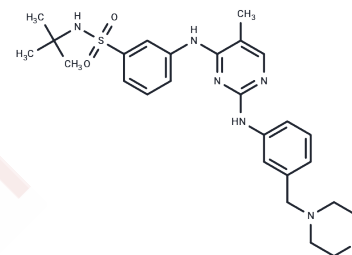


TG-89

## Chemical Properties

CAS No. : 936091-56-4  
 Formula: C<sub>26</sub>H<sub>34</sub>N<sub>6</sub>O<sub>3</sub>S  
 Molecular Weight: 510.65  
 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	TG-89 is an inhibitor of JAK2, JAK3, RET and FLT3, and has an IC <sub>50</sub> value of 11.2 μM against JAK2, showing anticancer activity in the treatment of ovarian and cervical cancer.
Targets(IC <sub>50</sub> )	FLT,c-RET,JAK

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9583 mL	9.7914 mL	19.5829 mL
5 mM	0.3917 mL	1.9583 mL	3.9166 mL
10 mM	0.1958 mL	0.9791 mL	1.9583 mL
50 mM	0.0392 mL	0.1958 mL	0.3917 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.

## Reference

FURUKAWA Y, et al. Acute and subacute toxicities of azulene gargle (TG-89) containing azulene sodium sulfonate [J]. ORAL THERAPEUTICS AND PHARMACOLOGY, 1990, 9(3): 157-165.

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