

TNO155

## Chemical Properties

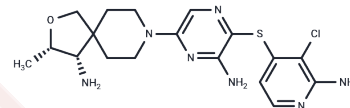
CAS No. : 1801765-04-7

Formula: C<sub>18</sub>H<sub>24</sub>ClN<sub>7</sub>O<sub>5</sub>

Molecular Weight: 421.95

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	TNO155 is a protein tyrosine phosphatase (PTP) non-receptor type 11 (SHP2; src homology region 2 domain phosphatase; PTPN11) inhibitor (IC <sub>50</sub> : 0.011 μM), with potential antineoplastic activity.
Targets (IC <sub>50</sub> )	Phosphatase

## Solubility Information

Solubility	DMSO: 50 mg/mL (118.5 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (5.92 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3699 mL	11.8497 mL	23.6995 mL
5 mM	0.474 mL	2.3699 mL	4.7399 mL
10 mM	0.237 mL	1.185 mL	2.3699 mL
50 mM	0.0474 mL	0.237 mL	0.474 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

TNO155: SHP2 inhibitor

**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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