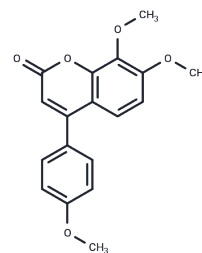


PSF-IN-2

## Chemical Properties

CAS No. : 185418-37-5  
 Formula: C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>  
 Molecular Weight: 312.317  
 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	PSF-IN-2 (Compound (C)-30) is a PSF inhibitor with an IC <sub>50</sub> value of 0.005 pM. It exhibits anticancer properties, inhibiting the proliferation of 22Rv1 cells with an IC <sub>50</sub> value of 0.5 μM. PSF-IN-2 activates the p53 signaling pathway by disrupting PSF-RNA binding, inducing expression of related genes, promoting apoptosis, and inhibiting the cell cycle. This compound is applicable in cancer research.
Targets(IC <sub>50</sub> )	Apoptosis,MDM-2/p53

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2018 mL	16.0092 mL	32.0184 mL
5 mM	0.6404 mL	3.2018 mL	6.4037 mL
10 mM	0.3202 mL	1.6009 mL	3.2018 mL
50 mM	0.064 mL	0.3202 mL	0.6404 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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