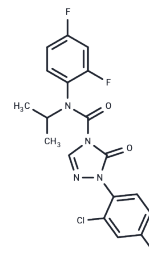


## Ipfencarbazone

## Chemical Properties

CAS No. :	212201-70-2
Formula:	C <sub>18</sub> H <sub>14</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	427.23
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	Ipfencarbazone herbicide agent, is a substance being developed for the control of weeds such as watergrass in rice.
Targets(IC50)	Others,Akt

## Solubility Information

Solubility	DMSO: 130 mg/mL (304.29 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: 3.3 mg/mL (7.72 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	2.3407 mL	11.7033 mL	23.4066 mL
5 mM	0.4681 mL	2.3407 mL	4.6813 mL
10 mM	0.2341 mL	1.1703 mL	2.3407 mL
50 mM	0.0468 mL	0.2341 mL	0.4681 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.

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