

TKL-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>20</sub>H<sub>12</sub>ClN<sub>5</sub>O<sub>5</sub>S<sub>2</sub>

Molecular Weight: 437.93

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	TKL-IN-1 (compound 7r) serves as an inhibitor of transketolase (Transketolase) and can be utilized as an herbicide. This compound effectively hampers the growth of <i>Digitaria sanguinalis</i> (Ds) and <i>Amaranthus retroflexus</i> (Ar).
Targets(IC50)	Transketolase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2835 mL	11.4173 mL	22.8347 mL
5 mM	0.4567 mL	2.2835 mL	4.5669 mL
10 mM	0.2283 mL	1.1417 mL	2.2835 mL
50 mM	0.0457 mL	0.2283 mL	0.4567 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

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