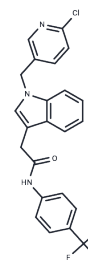


TKL-IN-2

Chemical Properties

CAS No. : 3082627-31-1
 Formula: C₂₃H₁₇ClF₃N₃O
 Molecular Weight: 443.85
 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-2 (Compound 7m) is a TKL inhibitor with an IC ₅₀ of 0.11 mg/L against SvTKL. It exhibits excellent herbicidal activity against <i>Digitaria sanguinalis</i> and <i>Amaranthus retroflexus</i> , while being safe for corn, wheat, soybean, and cotton. TKL-IN-2 is suitable for research in weed control in crop fields.
Targets(IC ₅₀)	Others, Transketolase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.253 mL	11.2651 mL	22.5301 mL
5 mM	0.4506 mL	2.253 mL	4.506 mL
10 mM	0.2253 mL	1.1265 mL	2.253 mL
50 mM	0.0451 mL	0.2253 mL	0.4506 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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