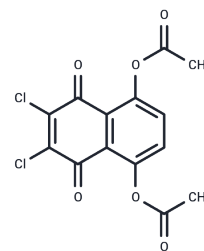


DDN

Chemical Properties

CAS No. : 118006-14-7
 Formula: C₁₄H₈Cl₂O₆
 Molecular Weight: 343.116
 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	DDN is a selective Insulin Receptor activator and insulin sensitizer that mimics insulin activity with oral efficacy. It can directly bind to the receptor kinase domain, inducing Akt and ERK phosphorylation, and enhances insulin-stimulated glucose uptake. DDN significantly reduces blood glucose levels in wild-type and diabetic ob/ob and db/db mice.
Targets(IC50)	ERK,Akt,IGF-1R

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9144 mL	14.5722 mL	29.1443 mL
5 mM	0.5829 mL	2.9144 mL	5.8289 mL
10 mM	0.2914 mL	1.4572 mL	2.9144 mL
50 mM	0.0583 mL	0.2914 mL	0.5829 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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