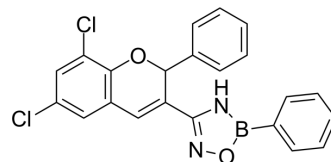


BT424

Cat. No.:	HY-155657
CAS No.:	2755180-37-9
Molecular Formula:	C ₂₂ H ₁₅ BCl ₂ N ₂ O ₂
Molecular Weight:	421.08
Target:	Src
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (237.48 mM; Need ultrasonic)																							
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.3748 mL</td> <td>11.8742 mL</td> <td>23.7485 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4750 mL</td> <td>2.3748 mL</td> <td>4.7497 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2375 mL</td> <td>1.1874 mL</td> <td>2.3748 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	2.3748 mL	11.8742 mL	23.7485 mL	5 mM	0.4750 mL	2.3748 mL	4.7497 mL	10 mM	0.2375 mL	1.1874 mL	2.3748 mL			
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Please refer to the solubility information to select the appropriate solvent.																								
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (11.87 mM); Clear solution																							

BIOLOGICAL ACTIVITY

Description	BT424 is a specific HCK inhibitor. BT424 can regulate macrophage activation and autophagy in vitro. BT424 ameliorates inflammation and kidney fibrosis in UUO model ^[1] .
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REFERENCES

[1]. Chen M, et al. HCK induces macrophage activation to promote renal inflammation and fibrosis via suppression of autophagy. Nat Commun. 2023 Jul 18;14(1):4297.

Caution: Product has not been fully validated for medical applications. For research use only.

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