# BACE MedChemExpress

# Product Data Sheet

# Inhibitors • Screening Libraries • Proteins

# GAK inhibitor 49 hydrochloride

Cat. No.: CAS No.: Molecular Formula: Molecular Weight: Target: Pathway:	HY-124793A 2930378-91-7 C <sub>20</sub> H <sub>23</sub> ClN <sub>2</sub> O <sub>5</sub> 406.86 Cyclin G-associated Kinase (GAK) Cell Cycle/DNA Damage	
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	H–Cl

## SOLVENT & SOLUBILITY

2.4578 mL	12.2892 mL	
	12.2032 IIIL	24.5785 mL
0.4916 mL	2.4578 mL	4.9157 mL
0.2458 mL	1.2289 mL	2.4578 mL
opriate solvent.		
	0.2458 mL opriate solvent.	

BIOLOGICAL ACTIVITY		
Description	GAK inhibitor 49 hydrochloride is a potent, ATP-competitive and highly selective cyclin G associated kinase (GAK) inhibitor with a K <sub>i</sub> of 0.54 nM and a cell IC <sub>50</sub> of 56 nM. GAK inhibitor 49 hydrochloride also shows binding to RIPK2 <sup>[1]</sup> .	
In Vitro	GAK inhibitor 49 (compound 49) hydrochloride shows a weak inhibitory effect on AAK1, BMP2K and STK16, with IC <sub>50</sub> s of 28, 63 and >100μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Asquith CRM, et al. Identification and Optimization of 4-Anilinoquinolines as Inhibitors of Cyclin G Associated Kinase. ChemMedChem. 2018;13(1):48-66.

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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA