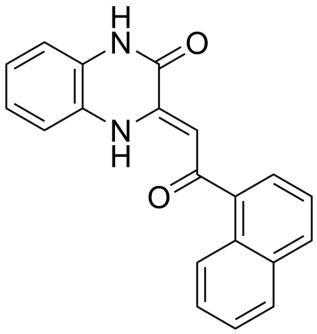
JNK3 inhibitor-2

Cat. No.:	HY-150552
CAS No.:	2366264-18-6
Molecular Formula:	$C_{20}H_{14}N_2O_2$
Molecular Weight:	314.34
Target:	JNK; Discoidin Domain Receptor
Pathway:	MAPK/ERK Pathway; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JNK3 inhibitor-2 is a potent and selective JNK3 inhibitor with IC_{50} values of >100, >100, 0.25 μM for JNK1, JNK2, JNK3, respectively. JNK3 inhibitor-2 shows DDR1 and EGFR (T790M, L858R) inhibition[1].		
IC_{50} & Target	JNK1 >100 μM (IC_{50})	JNK2 >100 μM (IC_{50})	JNK3 0.25 μM (IC_{50})
In Vitro	JNK3 inhibitor-2 (compound J46) shows 30% and 60% inhibition to JNK2α2 at 30 μM and 100 μM, respectively[1]. JNK3 inhibitor-2 shows inhibitory ability for DDR1 and EGFR (T790M, L858R) with IC_{50}s of 0.16, 0.37 μM, respectively[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Dou X, et al. Rational modification, synthesis and biological evaluation of 3,4-dihydroquinoxalin-2(1H)-one derivatives as potent and selective c-Jun N-terminal kinase 3 (JNK3) inhibitors. Eur J Med Chem. 2020 Sep 1;201:112445.

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