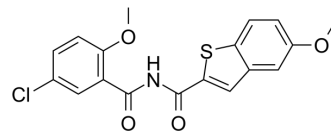


## CLK1/4-IN-1

Cat. No.:	HY-146335
Molecular Formula:	C <sub>18</sub> H <sub>14</sub> ClNO <sub>4</sub> S
Molecular Weight:	375.83
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CLK1/4-IN-1 (compound 31) is a potent and selective Clk1 and Clk4 inhibitor with an IC <sub>50</sub> value of 9.7 nM and 6.6 nM, respectively. CLK1/4-IN-1 has growth inhibitory activities against T24 cancer cells with GI <sub>50</sub> of 1.1 μM. CLK1/4-IN-1 can be used for researching anticancer <sup>[1]</sup> .	
IC <sub>50</sub> & Target	CLK1 9.7 nM (IC <sub>50</sub> )	CLK4 6.6 nM (IC <sub>50</sub> )

### REFERENCES

[1]. El-Gamil DS, et al. Development of novel conformationally restricted selective Clk1/4 inhibitors through creating an intramolecular hydrogen bond involving an imide linker [published online ahead of print, 2022 Apr 26]. Eur J Med Chem. 2022;238:114411.

**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