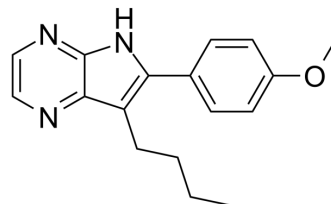


## Aloisine RP106

<b>Cat. No.:</b>	HY-112336
<b>CAS No.:</b>	496864-15-4
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>19</sub> N <sub>3</sub> O
<b>Molecular Weight:</b>	281.35
<b>Target:</b>	CDK; GSK-3
<b>Pathway:</b>	Cell Cycle/DNA Damage; PI3K/Akt/mTOR; Stem Cell/Wnt
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Aloisine RP106 (compound 38) is a potent inhibitor of Cdk1/cyclin B, Cdk5/p25, and GSK3 with IC <sub>50</sub> s of 0.70 μM, 1.5 μM, 0.92 μM, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	Cdk1/cyclin B 0.7 μM (IC <sub>50</sub> )	Cdk5/p25 1.5 μM (IC <sub>50</sub> )	GSK-3 0.92 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Yvette Mettey, et al. Aloisines, a new family of CDK/GSK-3 inhibitors. SAR study, crystal structure in complex with CDK2, enzyme selectivity, and cellular effects. *J Med Chem.* 2003 Jan 16;46(2):222-36.

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

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