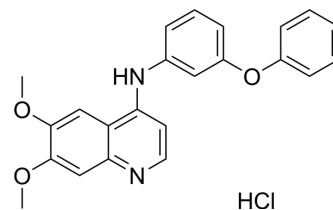


## GW284543 hydrochloride

<b>Cat. No.:</b>	HY-114189A
<b>CAS No.:</b>	179246-08-3
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	408.88
<b>Target:</b>	MEK
<b>Pathway:</b>	MAPK/ERK Pathway
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	GW284543 (UNC10225170) hydrochloride is a selective MEK5 inhibitor. GW284543 reduces pERK5, and decreases endogenous MYC protein <sup>[1]</sup> .									
<b>IC<sub>50</sub> &amp; Target</b>	MEK5									
<b>In Vitro</b>	<p>GW284543 (10 and 20 μM; 6 h) treatment inhibits MEK5 in a dose-dependent manner and reduces pERK5<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>MIA PaCa-2 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 and 20 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>6 hours</td> </tr> <tr> <td>Result:</td> <td>Reduced phosphorylation of ERK5, and decreased endogenous MYC protein.</td> </tr> </table>		Cell Line:	MIA PaCa-2 cells	Concentration:	10 and 20 μM	Incubation Time:	6 hours	Result:	Reduced phosphorylation of ERK5, and decreased endogenous MYC protein.
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Result:	Reduced phosphorylation of ERK5, and decreased endogenous MYC protein.									

### REFERENCES

[1]. Vaseva AV, et al. KRAS Suppression-Induced Degradation of MYC Is Antagonized by a MEK5-ERK5 Compensatory Mechanism. *Cancer Cell*. 2018 Nov 12;34(5):807-822.e7.

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

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