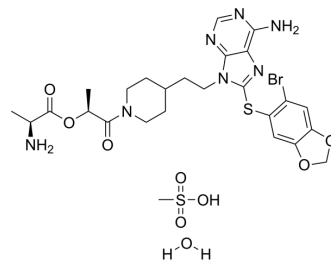


## MPC-0767

<b>Cat. No.:</b>	HY-115499
<b>CAS No.:</b>	1310540-32-9
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>36</sub> BrN <sub>7</sub> O <sub>9</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	734.64
<b>Target:</b>	HSP
<b>Pathway:</b>	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	MPC-0767 is a potent, selective, and orally active hsp90 inhibitor. MPC-0767 is an L-alanine ester proagent of MPC-3100 with improved chemical stability <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	HSP90
<b>In Vivo</b>	<p>MPC-0767 (oral administration; 265 mg/kg; single dose) exhibits a improved PK property, the T<sub>max</sub>, C<sub>max</sub>, AUC and F% are 1 (h), 21562 ng/mL, 94194 h*ng/mL and 56%, respectively<sup>[1]</sup>.</p> <p>MPC-0767 (oral administration; 265 mg/kg) demonstrates comparable efficacy in an N-87 xenograft tumor model, the 46% tumor size reduction with no evidence of weight loss in the study animals<sup>[1]</sup>.</p> <p>MPC-0767 is well tolerated when administered at 252 mg/kg po (equivalent to 200 mg/kg dose of MPC-3100)<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Se-Ho Kim, et al. Discovery of an L-alanine ester prodrug of the Hsp90 inhibitor, MPC-3100. *Bioorg Med Chem Lett.* 2015 Nov 15;25(22):5254-7.

**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