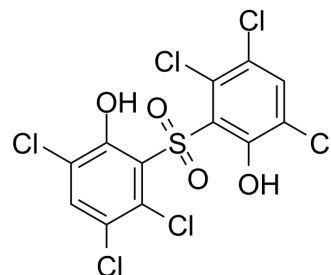


## p38 MAP Kinase Inhibitor IV

Cat. No.:	HY-112401
CAS No.:	1638-41-1
Molecular Formula:	C <sub>12</sub> H <sub>4</sub> Cl <sub>6</sub> O <sub>4</sub> S
Molecular Weight:	456.94
Target:	p38 MAPK
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	p38 MAP Kinase Inhibitor IV is a highly specific ATP-competitive p38 $\alpha$ MAPK inhibitor with IC <sub>50</sub> s of 0.13 and 0.55 $\mu$ M for p38 $\alpha$ and p38 $\beta$ MAPK, respectively <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	p38 $\alpha$ 0.13 $\mu$ M (IC <sub>50</sub> )	p38 $\beta$ 0.55 $\mu$ M (IC <sub>50</sub> )	p38 $\delta$ 8.63 $\mu$ M (IC <sub>50</sub> )	p38 $\chi$ 5.47 $\mu$ M (IC <sub>50</sub> )
<b>In Vitro</b>	p38 MAP Kinase Inhibitor IV (MT4) shows IC <sub>50</sub> values of 0.13, 0.55, 5.47, and 8.63 $\mu$ M for p38 $\alpha$ , $\beta$ , $\chi$ , and $\delta$ , respectively. p38 MAP Kinase Inhibitor IV has the suppressive action on the release of TNF-alpha and IL-1beta in PBMC with IC50 values of 22 and 44 nM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

### REFERENCES

[1]. Liu YC, et al. Identification of a novel competitive inhibitor of p38 $\alpha$  MAPK by a human PBMC screen. *Biochem Biophys Res Commun.* 2007;352(3):656-661.

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

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