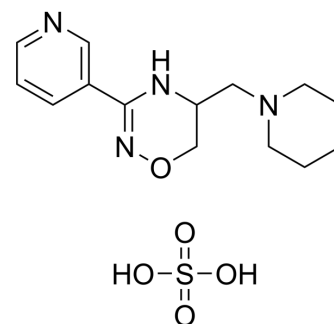


## Iroxanadine sulfate

Cat. No.:	HY-19399B
CAS No.:	276690-61-0
Molecular Formula:	C <sub>14</sub> H <sub>22</sub> N <sub>4</sub> O <sub>5</sub> S
Molecular Weight:	358.41
Target:	p38 MAPK; HSP
Pathway:	MAPK/ERK Pathway; Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Iroxanadine ((-)-BRX 005) sulfate is a potent activator of p38 kinase, and an enhancer of stress-responsive heat shock protein (Hsp) expression. Iroxanadine sulfate also is a vasculoprotector against atherosclerosis. Iroxanadine sulfate may improve survival of vascular endothelial cells (ECs) following ischemia/reperfusion stress <sup>[1]</sup> .
<b>In Vitro</b>	Iroxanadine sulfate (0.1-1 μM) to culture medium prior to hypoxia or at start of reoxygenation significantly reduced the caspase-dependent apoptosis <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kabakov AE, et al. Pharmacological attenuation of apoptosis in reoxygenated endothelial cells. Cell Mol Life Sci. 2004 Dec;61(24):3076-86.

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

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