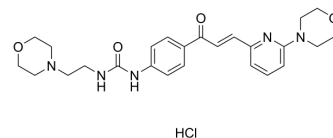


## TRC051384 hydrochloride

Cat. No.:	HY-124109
CAS No.:	1333327-56-2
Molecular Formula:	C <sub>25</sub> H <sub>32</sub> ClN <sub>5</sub> O <sub>4</sub>
Molecular Weight:	502.01
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

**Description** TRC051384 hydrochloride is a potent inducer of heat shock protein 70 (HSP70). TRC051384 hydrochloride exhibits protective effects against neuronal trauma via inhibition of necroptosis. TRC051384 hydrochloride can be used for the research of ischemic stroke<sup>[1][2]</sup>.

### CUSTOMER VALIDATION

- Clin Transl Med. 2023 Mar;13(3):e1229.
- Phytomedicine. 2023 Oct, 119, 154977.
- Domest Anim Endocrin. 2021 Jan;74:106533.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Mohanan A, et, al. Delayed intervention in experimental stroke with TRC051384--a small molecule HSP70 inducer. Neuropharmacology. 2011 May;60(6):991-9.
- [2]. Chen T, et, al. HSP70 attenuates neuronal necroptosis through the HSP90α-RIPK3 pathway following neuronal trauma. Mol Biol Rep. 2023 Sep;50(9):7237-7244.

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

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