

## Data Sheet

<b>Product Name:</b>	Ligustrazine (hydrochloride)
<b>Cat. No.:</b>	CS-5298
<b>CAS No.:</b>	76494-51-4
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> .xHCl
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	DMSO : 100 mg/mL (Need ultrasonic); H <sub>2</sub> O : 100 mg/mL (Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Ligustrazine (hydrochloride) is a natural product. IC<sub>50</sub> value: Target: In vitro: Ligustrazine hydrochloride displayed a protection effect on injured ECV304 cells, NOS and NO formation were significantly increased compared with the model group [1]. In vivo:

### References:

[1]. Xu D, et al. Protective effect of ligustrazine hydrochloride on homocysteine-injured ECV304 cells. Zhongguo Zhong Yao Za Zhi. 2012 Jun;37(12):1836-9.

[2]. Wang Q, et al. Brain microdialysate, CSF and plasma pharmacokinetics of ligustrazine hydrochloride in rats after intranasal and intravenous administration. Biopharm Drug Dispos. 2013 Oct;34(7):417-22.

### CAIndexNames:

Pyrazine, 2,3,5,6-tetramethyl-, hydrochloride (1:x)

### SMILES:

C1(C)=NC(C)=C(C)N=C1C.C

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

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