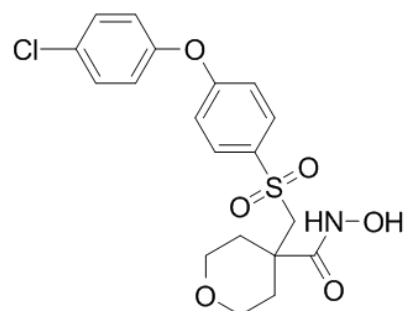


**Product Name** : CTS-1027  
**Cat. No.** : PC-42562  
**CAS No.** : 193022-04-7  
**Molecular Formula** : C<sub>19</sub>H<sub>20</sub>ClNO<sub>6</sub>S  
**Molecular Weight** : 425.8832  
**Target** : Matrix Metalloproteinase (MMP)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CTS-1027 (RS-130830) is a potent, selective, broad-spectrum **MMP** inhibitor with  $K_i$  of <9 nM for MMP2, 3, 8, 9, 12, 13 and 14, but not MMP1 and 7.

CTS-1027 displays little or no activity for other proteinases including caspases, the initiator and effector proteinases of apoptosis.

CTS-1027 attenuates hepatocyte apoptosis, liver injury and hepatic fibrosis, and is an attractive agent as a potential hepatoprotective agent in HCV patients.

## References

Kahraman A, et al. Hepatol Res. 2009 Aug;39(8):805-13.

Liechti FD, et al. J Neuroinflammation. 2015 Mar 4;12:43.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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