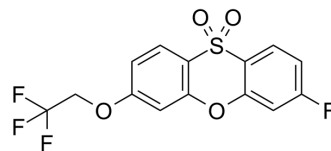


## CX-157

Cat. No.:	HY-100178
CAS No.:	205187-53-7
Molecular Formula:	C <sub>14</sub> H <sub>8</sub> F <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	348.27
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CX-157 is a reversible inhibitor of monoamine oxidase-A (MAO-A) with an EC <sub>50</sub> of 19.3 ng/mL.
IC <sub>50</sub> & Target	EC <sub>50</sub> : 19.3 ng/mL (MAO-A) <sup>[1]</sup>
In Vivo	CX-157 is a reversible inhibitor of monoamine oxidase-A (MAO-A) with an EC <sub>50</sub> of 19.3 ng/mL. CX-157 is an investigational compound currently in development for the treatment of major depressive disorder (MDD). Mechanistic studies in animals have shown that CX-157 acts to inhibit MAO-A activity in a reversible and competitive manner, elevating brain levels of monoamine neurotransmitters <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Fowler JS, et al. Reversible inhibitors of monoamine oxidase-A (RIMAs): robust, reversible inhibition of human brain MAO-A by CX157. *Neuropsychopharmacology*. 2010 Feb;35(3):623-31.

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

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