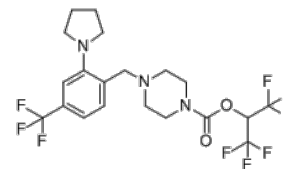


**Product Name** : ABX-1431  
**Cat. No.** : PC-35522  
**CAS No.** : 1446817-84-0  
**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>F<sub>9</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 507.401  
**Target** : Monoacylglycerol Lipase (MAGL)  
**Solubility** : 10 mM in DMSO



### Biological Activity

Elcubragistat (ABX1431) is a highly potent, selective, orally available, CNS-penetrant **monoacylglycerol lipase (MAGL)** with IC<sub>50</sub> of 14 nM (hMAGL).

Elcubragistat (ABX1431) displays 23-fold selectivity for MGLL versus ABHD6 and CES1c, as well as exquisite selectivity of against other members of the serine hydrolase class.

Elcubragistat (ABX1431) inhibits MGLL activity in rodent brain (ED<sub>50</sub>=0.5-1.4 mg/kg), increases brain 2-AG concentrations, and suppresses pain behavior in the rat formalin pain model.

### References

Cisar JS, et al. *J Med Chem*. 2018 Aug 1. doi: 10.1021/acs.jmedchem.8b00951.

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

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