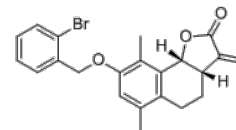


**Product Name** : Ubch5c-IN-6d  
**Cat. No.** : PC-60354  
**CAS No.** : 2123480-72-6  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>BrO<sub>3</sub>  
**Molecular Weight** : 413.31  
**Target** : Ubiquitin-conjugating Enzyme (E2)  
**Solubility** : 10 mM in DMSO



### Biological Activity

Ubch5c-IN-6d is a potent, specific, orally bioactive small-molecule inhibitor of ubiquitin-conjugating enzyme **Ubch5c (UBE2D3)** with K<sub>d</sub> of 283 nM.

Ubch5c-IN-6d suppresses the activation of the NF-κB signaling pathway by selectively covalently binding to the Cys85 residue of Ubch5c.

Ubch5c-IN-6d exhibits potent anti-inflammatory activity against complete Freund's adjuvant-induced adjuvant arthritis in vivo.

### References

Chen H, et al. *J Med Chem.* 2017 Aug 24;60(16):6828-6852.

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

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