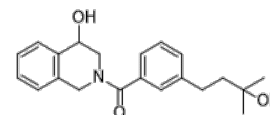


**Product Name** : ERD03  
**Cat. No.** : PC-35611  
**CAS No.** : 1377897-01-2  
**Molecular Formula** : C<sub>21</sub>H<sub>25</sub>NO<sub>3</sub>  
**Molecular Weight** : 339.44  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



CAS: 1377897-01-2

## Biological Activity

ERD03 (EXOSC3-RNA disrupting compound 3) is a small molecule **EXOSC3-RNA** disrupting (ERD) compound that binds specifically to EXOSC3 (K<sub>d</sub>=17 uM), induces a PCH1B-like phenotype in zebrafish.

ERD03 recapitulates EXOSC3 knock-down effects on RNA transcriptomic profiles in zebrafish.

ERD03 induces an atrophy of the zebrafish cerebellum, a clinical feature of PCH1B, also induces modification of zebrafish RNA expression levels similar to that observed with a morpholino against EXOSC3.

## References

Francois-Moutal L, et al. *ACS Chem Biol.* 2018 Aug 24. doi: 10.1021/acscchembio.8b00745.

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

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