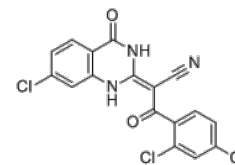


**Product Name** : Ciliobrevin D  
**Cat. No.** : PC-62398  
**CAS No.** : 1370554-01-0  
**Molecular Formula** : C<sub>17</sub>H<sub>8</sub>Cl<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 392.62  
**Target** : Dynein  
**Solubility** :



## Biological Activity

Ciliobrevin D is a cell-permeable, reversible, specific inhibitor of **cytoplasmic dynein**, blocks dynein-dependent microtubule gliding and ATPase activity while sparing kinesin dependent cellular trafficking; selectively affects retrograde transport, inhibits the bidirectional transport of organelles along sensory axons and impairs NGF-mediated regulation of growth cones and axon branches, disrupts spindle pole focusing and kinetochore-microtubule attachment at 10-40 uM

## References

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Melemedjian OK, et al. *Mol Pain.* 2014 Jul 4;10:45.  
See SK, et al. *ACS Chem Biol.* 2016 Jan 15;11(1):53-60.  
Firestone AJ, et al. *Nature.* 2012 Mar 18;484(7392):125-9.

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

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