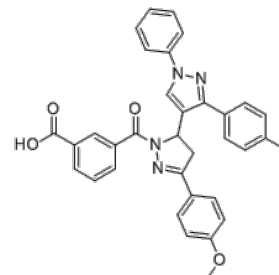


**Product Name** : BTT-266  
**Cat. No.** : PC-35726  
**CAS No.** : 2413939-89-4  
**Molecular Formula** : C<sub>34</sub>H<sub>28</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 556.622  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

BTT-266 (BTT266) is a voltage-gated **CaV2.2** calcium channel inhibitor that disrupts the CaV $\alpha$ -CaV $\beta$ 3 protein-protein interaction, directly binds to CaV $\beta$ 3 with K<sub>d</sub> of 3.6  $\mu$ M.

BTT-266 decreases surface presentation of the CaV2.2 $\alpha$ 1 subunit, significantly reduces trafficking of CaV2.2 to the plasma membrane at 50  $\mu$ M.

BTT-266 does not affect CaV2.2 currents in either in HEK-CaV2.2 cells or rat dorsal root ganglion (DRG) neurons.

## References

Chen X, et al. *Proc Natl Acad Sci U S A*. 2018 Oct 24. pii: 201813157.

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

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