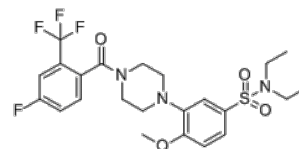


**Product Name** : BT-13  
**Cat. No.** : PC-61589  
**CAS No.** : 924537-98-4  
**Molecular Formula** : C<sub>23</sub>H<sub>27</sub>F<sub>4</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 517.54  
**Target** : RET Tyrosine Kinase (c-RET)  
**Solubility** : 10 mM in DMSO



### Biological Activity

RET agonist BT13 (BT-13) is a novel small molecule **GDNF receptor RET** agonist, potently and selectively activates RET and its downstream intracellular signaling cascades in immortalized cells (EC<sub>50</sub>~20 uM) >

RET agonist BT13 promotes neurite outgrowth from cultured dorsal root ganglia (DRG) sensory neurons in vitro.

RET agonist BT13 alleviates mechanical hypersensitivity and reverses injury-induced changes in protein expression in DRG neurons in rat model of neuropathic pain.

### References

Sidorova YA, et al. *Front Pharmacol.* 2017 Jun 21;8:365.

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

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