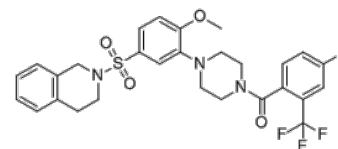


Product Name : RET agonist BT44
Cat. No. : PC-72010
CAS No. : 924759-42-2
Molecular Formula : C₂₈H₂₇F₄N₃O₄S
Molecular Weight : 577.595
Target : RET Tyrosine Kinase (c-RET)
Solubility : 10 mM in DMSO



Biological Activity

RET agonist BT44 is a novel, specific **RET agonist**, promotes RET phosphorylation and selectively activates downstream cascades in the cells expressing GFL receptors.

BT44 has no effect on TrkA and TrkB receptors; In GFR α 1/RET expressing cells, 10–50 μ M of BT44 increased the activity of luciferase reporter by approximately two fold (P<0.0001).

BT44 dose-dependently stimulated neurite outgrowth from DRG sensory neurons and its efficacy was comparable to that of ARTN.

BT44 alleviated mechanical hypersensitivity in surgery- and diabetes-induced rat models of neuropathic pain.

References

Viisanen H, et al. *Mol Pain*. 2020 Jan-Dec;16:1744806920950866.

Renko JM, et al. *J Parkinsons Dis*. 2021;11(3):1023-1046.

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

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