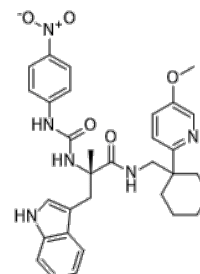


Product Name : PD176252
Cat. No. : PC-27296
CAS No. : 204067-01-6
Molecular Formula : C₃₂H₃₆N₆O₅
Molecular Weight : 584.68
Target : Bombesin Receptor
Solubility : 10 mM in DMSO



Biological Activity

PD176252 is a potent antagonist of neuromedin-B preferring (BB1, NMBR) and gastrin-releasing peptide-preferring (BB2) receptor (GRPR) with K_is of 0.17 nM and 1 nM for human BB1 and BB2 receptors, and 0.66 nM, 16 nM for Rat BB1 and BB2 receptors, respectively.

PD176252 inhibits (125I-Tyr0) neuromedin B binding with IC₅₀ of 50 nM.

PD176252 (1 μM) significantly inhibited colony number using a proliferation assay in vitro.

References

Ashwood V, et al. Bioorg Med Chem Lett. 1998 Sep 22;8(18):2589-94.

Moody TW, et al. Eur J Pharmacol. 2000 Dec 8;409(2):133-42.

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

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