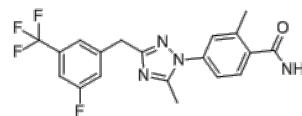


**Product Name** : FTBMT  
**Cat. No.** : PC-35386  
**CAS No.** : 1358575-02-6  
**Molecular Formula** : C<sub>19</sub>H<sub>16</sub>F<sub>4</sub>N<sub>4</sub>O  
**Molecular Weight** : 392.35  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

FTBMT (TP024) is a novel selective **GPR52** agonist, increases intracellular cAMP levels in CHO cells expressing human, mouse, or rat GPR52, with pEC<sub>50</sub> of 7.03, 6.85, and 6.87M, respectively.

FTBMT does not show significant inhibition or stimulation in a panel of 98 other targets, including receptors, ion channels, and enzymes.

FTBMT elevates the levels of cAMP (pEC<sub>50</sub>=6.82) and phospho-CREB, which increased the expression of downstream CREB target genes, c-fos and Egr-2.

FTBMT inhibits MK-801-induced hyperactivity, shows antipsychotic and recognitive properties without causing catalepsy in rodents.

### References

Nishiyama K, et al. *J Pharmacol Exp Ther*. 2017 Nov;363(2):253-264.

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

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