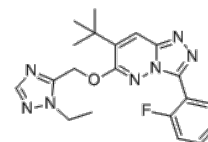


Product Name : TPA023
Cat. No. : PC-62769
CAS No. : 252977-51-8
Molecular Formula : C₂₀H₂₂FN₇O
Molecular Weight : 395.442
Target : GABA Receptor
Solubility : 10 mM in DMSO



Biological Activity

TPA023 (MK-0777) is a potent, **α2/α3** subtype-selective, and oral **GABAA** receptor agonist with K_d of 0.92, 1.05 and 0.58 nM for α1-, α2-, α3-, and α5-containing human receptors.

TPA023 (MK-0777) shows much lower (50- to 2000-fold) affinities for α4 and α6 subtypes (K_i= 60 and 418 nM, respectively).

TPA023 (MK-0777) demonstrates anxiolytic-like efficacy and anticonvulsant activity in mouse pentylenetetrazole seizure model.

References

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

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