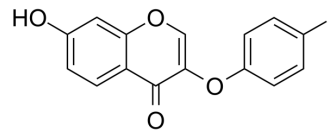


XAP044

Cat. No.:	HY-110146
CAS No.:	196928-50-4
Molecular Formula:	C ₁₅ H ₉ IO ₄
Molecular Weight:	380.13
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

XAP044 is a potent and selective antagonist of mGlu7. The metabotropic glutamate receptor subtype 7 (mGlu7) is an important presynaptic regulator of neurotransmission in the mammalian CNS. XAP044 demonstrates good brain exposure and wide spectrum anti-stress and antidepressant- and anxiolytic-like efficacy in rodent behavioral paradigms^[1].

REFERENCES

[1]. Gee CE, et al. Blocking metabotropic glutamate receptor subtype 7 (mGlu7) via the Venus flytrap domain (VFTD) inhibits amygdala plasticity, stress, and anxiety-related behavior. *J Biol Chem.* 2014;289(16):10975-10987.

Caution: Product has not been fully validated for medical applications. For research use only.

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