

Product Name : Imidazenil
Cat. No. : PC-38491
CAS No. : 151271-08-8
Molecular Formula : C₁₈H₁₂BrFN₄O
Molecular Weight : 399.223
Target : GABA Receptor
Solubility : 10 mM in DMSO



Biological Activity

Imidazenil is a partial allosteric modulator of gamma-aminobutyric acid type A receptor (*GABAA receptor*) with anxiolytic and anticonvulsant effects, inhibits [3H] flumazenil binding to mouse cerebral cortical membranes in vitro with IC₅₀ of 0.9 nM.

Imidazenil reduced in a dose-dependent manner the increase in [35S]TBPS binding elicited by isoniazid (200 mg/kg s.c.). Imidazenil at a dose as low as 0.05 mg/kg (i.p.) delayed the onset of convulsions and death elicited by isoniazid and reduced significantly the number of mice exhibiting seizures.

References

- Giusti P, et al. *J Pharmacol Exp Ther*. 1993 Aug;266(2):1018-28.
Ghiani CA, et al. *Eur J Pharmacol*. 1994 Mar 21;254(3):299-302.
Serra M, et al. *J Pharmacol Exp Ther*. 1994 Apr;269(1):32-8.

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

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