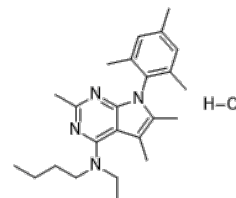


Product Name : Antalarmin hydrochloride
Cat. No. : PC-25842
CAS No. : 220953-69-5
Molecular Formula : C₂₄H₃₅ClN₄
Molecular Weight : 415.02
Target : CRF Receptor
Solubility : 10 mM in DMSO



Biological Activity

Antalarmin hydrochloride is a potent, selective nonpeptide corticotropin-releasing factor receptor 1 (CRHR1, CRF1) antagonist with Ki of 2.7 nM, with no effect on CRF2 receptor.

Antalarmin potently displaced 125I-oCRH binding, exhibiting respectively Ki values of 1.9 nM, 1.3 nM, and 1.4 nM in pituitary, cerebellum, and frontal cortex homogenates.

Antalarmin (20 mg/kg body wt.) significantly inhibited CRH-stimulated ACTH release and carrageenin-induced subcutaneous inflammation in rats.

References

Deak T, et al. Endocrinology. 1999 Jan;140(1):79-86.

Webster EL, et al. Endocrinology. 1996 Dec;137(12):5747-50.

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

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