

Azaline

Cat. No.:	HY-P3317
CAS No.:	134457-26-4
Molecular Formula:	C ₇₄ H ₁₀₆ ClN ₂₃ O ₁₂
Molecular Weight:	1545.23
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Azaline (Azaline A) is a gonadotropin-releasing hormone (GnRH) receptor antagonist with a K_D value of 0.48 nM. Azaline can effectively induce histamine release, with an effect comparable to that of GnRH, and it can completely inhibit ovulation at a dose of 2.0-3.0 µg per female rat. Azaline has potential applications in regulating reproductive functions^[1].

REFERENCES

[1]. Rivier J, et al. Gonadotropin releasing hormone antagonists: novel structures incorporating N omega-cyano modified guanidine moieties. *Biochem Biophys Res Commun.* 1991 Apr 15;176(1):406-12.

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

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