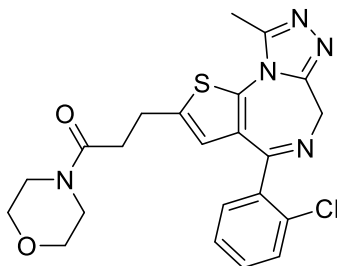


WEB 2086

Code No.: **BIA-W1937**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : Apafant, WEB 2086BS, Web 2086

Specifications

CAS #	: 105219-56-5
Molecular Formula	: C₂₂H₂₂ClN₅O₂S
Molecular Weight	: 455.96
Source	: Synthetic
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

WEB 2086 (apafant) is a potent and selective platelet activating (PAF) antagonist. WEB 2086 has high affinity for guinea pig peritoneal macrophage PAF receptors, dissociating slowly. WEB 2086 at 10⁻⁸ to 10⁻⁶ mol/L strongly and concentration-dependently inhibits PAF-induced chemotaxis in guinea pig eosinophils. In animal models, WEB 2086 (0.1% w/v) blocks eosinophil activation in allergic conjunctivitis and inhibits the hypotensive and lethal effect of PAF in the rat in a dose-related manner.

References

1. Pharmacological characterization of a receptor for platelet-activating factor on guinea pig peritoneal macrophages using [3H]apafant, a selective and competitive platelet-activating factor antagonist: evidence that the noncompetitive behavior of apafant in functional studies relates to slow kinetics of dissociation. Ring P. et al. *Molec Pharmacol.* 1993, 43, 302.
2. Eosinophil chemotaxis induced by several biologically active substances and the effects of apafant on it in vitro. Nabe. *Arzneimittel-Forschung* 1997, 47, 1112.
3. Apafant, a potent platelet-activating factor antagonist, blocks eosinophil activation and is effective in the chronic phase of experimental allergic conjunctivitis in guinea pigs. Kato M. et al. *J Pharmacol Sci.* 2004, 95, 435.