**SUN 1334H**

Cat. No.: HY-U00084  
CAS No.: 607736-84-5  
Molecular Formula: C₂₃H₂₈Cl₂F₂N₂O₃  
Molecular Weight: 489.38  
Target: Histamine Receptor  
Pathway: GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling  
Storage: Powder  
-20°C  3 years  
4°C  2 years  
In solvent  
-80°C  6 months  
-20°C  1 month

**BIOLOGICAL ACTIVITY**

| Description | SUN 1334H is a potent, orally active, highly selective H1 receptor antagonist, with Kᵢ of 9.7 nM. |
| IC₅₀ & Target | Kᵢ: 9.7 nM (H1 receptor)[¹] |

**In Vitro**  
SUN-1334H causes potent inhibition of histamine induced contractions of isolated guinea-pig ileum with an IC₅₀ (half the maximal inhibitory concentration) of 0.198 μM. In CHO-K1/hERG cells, SUN-1334H does not modulate hERG K⁺ currents at concentrations as high as 100 μM[¹]. SUN-1334H, cetirizine and hydroxyzine cause comparable inhibition of NLF leukocytes, IL-4 and total protein concentrations[²].

**In Vivo**  
SUN-1334H potently inhibits histamine-induced bronchospasm over 24 hours following oral administration and completely suppresses histamine-induced skin wheal in beagle dogs and ovalbumin-induced rhinitis in guinea pigs[¹]. In skin allergy models, SUN-1334H shows potent reduction of passive and active cutaneous anaphylactic reactions. In central nervous system side effects models, SUN-1334H, desloratadine and fexofenadine are devoid of any significant effects[²].

**REFERENCES**


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

Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com  
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA