Ebastine, Histamine H₁ receptor antagonist ab141928

**Overview**

**Product name**  
Ebastine, Histamine H₁ receptor antagonist

**Description**  
Histamine H₁ receptor antagonist

**Biological description**  
Histamine H₁ receptor antagonist. Does not penetrate the blood-brain barrier. A CYP2J substrate, metabolized into carebastine via hydroxyebastine *in vivo*.

**Purity**  
> 98%

**CAS Number**  
90729-43-4

**Chemical structure**

![Chemical structure of Ebastine](image)

**Properties**

**Chemical name**  
4-(4-Benzhydryloxy)piperidin-1-yl)-1-(4-tert-butylphenyl)butan-1-one

**Molecular weight**  
469.66

**Molecular formula**  
C₃₂H₃₉NO₂

**PubChem identifier**  
3191

**Storage instructions**  
Store at Room Temperature. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in DMSO to 10 mM

**Handling**  
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.

**SMILES**  
CC(C)(C)C1=CC=C(C=C1)C(=O)CCCN2CCC(CC2)OC(C3=CC=CC=C3)C4=CC=CC=C4

**Source**  
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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