Overview

Product name: (S)-Sulpiride

Description: D₂-like dopamine antagonist. Active enantiomer.

Biological description: Selective D₂-like dopamine antagonist (Kᵢ values are ~ 0.015, ~ 0.013, and 1 μM at D₂, D₃, and D₄ receptors, respectively). Active enantiomer of Sulpiride (ab120578). Antipsychotic and prokinetic agent.

Purity: > 99%

Properties

Chemical name: (S)-(-)-5-Aminosulfonyl-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide

Molecular weight: 341.42

Chemical structure:

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\begin{align*}
  &\text{H}_2\text{N}^\bullet\text{C} = \text{O} \\
  &\text{N}^\bullet\text{CH}_2\text{CH}_3 \\
  &\text{O}^\bullet\text{C} = \text{N} \\
  &\text{O}^\bullet\text{S} \text{H}_3\text{N}\text{O}_2\text{S} \\
  &\text{N}^\bullet\text{CH}_2\text{CH}_3 \\
\end{align*}
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Molecular formula: C₁₅H₂₃N₃O₄S

CAS Number: 23672-07-3

Storage instructions: Store at +4°C. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO to 100 mM and in ethanol to 25 mM (with warming)

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.

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
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