Product datasheet

Gabapentin ab120219

1 References

Overview

Product name  Gabapentin
Description  α2δ Ligand
Biological description  Interacts with the α2δ subunit of L-type voltage gated Ca\(^{2+}\) channels. Disrupts calcium channel trafficking. Anticonvulsant and analgesic \textit{in vivo}.
Also available in simple stock solutions (ab146685) - add 1 ml of water to get an exact, ready-to-use concentration.
Purity  > 99%

Properties

Chemical name  2-[1-(Aminomethyl)cyclohexyl]acetic acid
Molecular weight  171.24
Chemical structure

\[
\text{Molecular formula} \quad \text{C}_{9}\text{H}_{17}\text{NO}_{2}
\]
CAS Number  60142-96-3
PubChem identifier  3446
Storage instructions  Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview  Soluble in water to 100 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 \textit{frequently asked questions (FAQ) page} for more details.
SMILES  NCC1(CC(=O)O)CCCCC1
Source  Synthetic
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