

Product Information

2-Chloroadenine for nucleotide synthesis

Cat. No.: X24-04-QCY032

Size: 5 mg; 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 1839-18-5

Compound CID: 94904

Synonym: 1839-18-5; 6-Amino-2-chloropurine; 2-chloro-7*H*-purin-6-amine; 2-chloro-9*H*-purin-6-amine;

6-Amino-2-chloropurine; 2-Chloro-6-aminopurine; 31458-56-7; MFCD00037925; CLADRIBINE IMPURITY C; ChEMBL134192;

2-chloro-adenine; 2-chloro-1*H*-purin-6-amine; Nucleotide synthesis reagent

This product is for research use only and is not intended for diagnostic use.

Product Information

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| Description | 2-Chloroadenine is a heterocyclic structural unit that is the major catabolic metabolite of deoxyadenosine. |
| Molecular Weight | 169.57 |
| Molecular Formula | C ₅ H ₄ ClN ₅ |
| IUPAC Name | 2-Chloro-7 <i>H</i> -purin-6-amine |
| InChI | InChI=1S/C5H4ClN5/c6-5-10-3(7)2-4(11-5)9-1-8-2/h1H,(H3,7,8,9,10,11) |
| InChI Key | HBJGQJWNMZDFKL-UHFFFAOYSA-N |
| Canonical SMILES | <chem>C1=NC2=NC(=NC(=C2N1)N)Cl</chem> |
| Form | Powder |
| Purity | ≥95% |
| Identity | Confirmed by NMR/HPLC/MS. |
| Applications | 2-Chloroadenine is used for the synthesis of adenosine antimetabolites with antitumor activity, capable of being used as biomaterials or organic compounds related to life science research. |
| Storage | Store at -20°C. |