

Product Name: 2'-Deoxyadenosine monohydrate, 99%
Catalog Number: A11166.03

CAS Number: 16373-93-6
IUPAC Name: (2R,3S,5R)-5-(6-amino-9H-purin-9-yl)-2-(hydroxymethyl)oxolan-3-ol
Molecular Formula: C₁₀H₁₃N₅O₃
Molecular Weight: 251.25
MDL Number: MFCD00149364
InChI Key: OLXZPDWKRNYJJZ-YUZWJPFNSNA-N
SMILES: NC1=C2N=CN([C@H]3C[C@H](O)[C@@H](CO)O3)C2=NC=N1
Synonym: 2-deoxyadenosine

Product Specification

Appearance (Color): White
Form: Powder
Water Content (Karl Fischer Titration): 5.0 to 8.0% (theory 6.69%)
Optical Rotation: -25.3? ± 1.5? (c = 0.5, Water)
Assay (HPLC): ≥98.5%
Melting Point (clear melt): 188.0-194.0?C

Date Of Print: 06/29/2026

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.