

Product Name: Cordycepin

Product Number: C204

CAS Number: 73-03-0

Molecular Formula: $C_{10}H_{13}N_5O_3$

Molecular Weight: 251.25

Appearance: Off-white powder

Storage Conditions: $\leq 30^{\circ}C$

Description: Cordycepin (3'-deoxyadenosine, 3'-dA) is a nucleoside analog with antileukemic and antitumor properties.

This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.

Mechanism of Action: Cordycepin becomes anabolically phosphorylated (3'-dA \rightarrow 3'-dATP) to its active triphosphate form and inhibits terminal deoxynucleotidyl transferase (TdT) activity intracellularly.

References: Kodama, Eiichi N. "Antileukemic Activity and Mechanism of Action of Cordycepin against Terminal Deoxynucleotidyl Transferase-positive (TdT+) Leukemic Cells." Antileukemic Activity and Mechanism of Action of Cordycepin against Terminal Deoxynucleotidyl Transferase-positive (TdT+) Leukemic Cells. Elsevier Science, 24 Mar. 1999.