



6-Biotin-17-NAD

ORDERING INFORMATION

Catalog Number: 4670-500-01

Size: 500 μ L

Concentration: 250 μ M in water

Storage: -80° C

Molecular Weight: 1180 g/mol
1158 g/mol as free acid

Purity: > 95% by HPLC

Extinction Coefficient: 22,000 at 265 nm

Description

Biotinylated NAD (6-biotin-17-nicotinamide-adenine-dinucleotide) provides a convenient non-isotopic alternative to radiolabeled NAD for studies requiring this substrate. A number of proteins, including poly(ADP-ribose) polymerase (PARP), use NAD as a substrate for their function. The PARP enzyme catalyzes the polymerization of ADP-ribose onto a number of nuclear proteins. Biotinylated NAD allows an indirect measure of PARP activity when biotin incorporation is detected using a conjugated-streptavidin detection system.

Preparation

Provided as a buffered solution containing 250 μ M 6-biotin-17-nicotinamide-adenine-dinucleotide, sodium salt.

Storage

The biotinylated NAD is stored at -80° C. Store in aliquots. **Avoid repeated freeze-thaw cycles.**

Applications

Activity measurements for NAD requiring enzymes, and assays to identify PARP inhibitors.