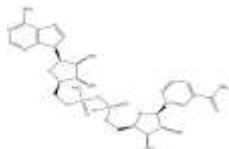


PRODUCT: Thio-NAD

ALTERNATE NAME: Thionicotinamide-adenine dinucleotide, oxidized form;
Thionicotinamide-adenine dinucleotide; thionicotinamide-NAD

CATALOG #: 9483-50, 250, 1000

AMOUNT: 50 mg, 250 mg, 1 g

STRUCTURE:

MOLECULAR FORMULA: $C_{21}H_{27}N_7O_{13}SP_2$

MOLECULAR WEIGHT: 679.5

CAS NUMBER: 4090-29-3

APPEARANCE: Yellowish powder

SOLUBILITY: H_2O (>30 mg/ml)

STORAGE: Store at -20°C. Protect from air and moisture

DESCRIPTION: An analog of NAD. Use of Thio-NAD instead of NAD (Cat. No. 2734) as a substrate for NAD(+)-consuming enzymes is more advantageous since the reduced form of Thio-NAD exhibits a substantial increase in absorbance at 405 nM, the most commonly available wavelength on microplate readers.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

β -Nicotinamide mononucleotide (Cat. No. 2733-25, 100, 250)

β -Nicotinamide adenine dinucleotide sodium salt (Cat. No. 9457-1G, 5G, 25G)

β -NAD (Cat. No. 2734-100, 250, 1000)

NADH (Cat. No. 2735-500, 1000, 5000)

NADP, disodium salt (Cat. No. 2736-500, 1000, 5000)

NADP, sodium salt (Cat. No. 2737-500, 1000, 5000)

NADPH, tetrasodium salt (Cat. No. 2738-50, 250, 1000)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**