

PRODUCT:

2-Nitro-5-thiocyanatobenzoic acid

RELATED PRODUCTS:

Fumarate Colorimetric Assay Kit (**K633**)
2-Nitro-5-thiocyanatobenzoic acid (**B1316**)

ALTERNATE NAME:

NTCB

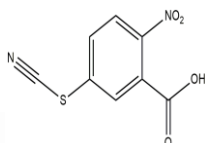
CATALOG #:

B1316-50, 250

AMOUNT:

50 mg, 250 mg

STRUCTURE:



MOLECULAR FORMULA:

C₈H₄N₂O₄S

MOLECULAR WEIGHT:

224.2

CAS NUMBER:

30211-77-9

APPEARANCE:

Yellow solid

SOLUBILITY:

DMSO (>10 mg/ml) and EtOH (>20 mg/ml)

PURITY:

≥97% by HPLC

STORAGE:

Store at -20°C. Protect from air and light.

DESCRIPTION:

2-Nitro-5-thiocyanatobenzoic acid is used to cyanilate proteins and to specifically cleave the amino-terminal peptide bond of cysteine residues. Also, acts as a hydratase inhibitor.

REFERENCES:

Kennedy, M.E., *et al.* (2016). *Sci Transl Med.* **8**, 363ra150.

HANDLING:

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

USAGE:

FOR RESEARCH USE ONLY! Not to be used in humans