

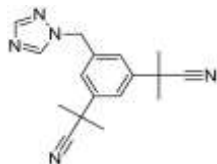
PRODUCT: Anastrozole

ALTERNATE NAME: $\alpha^1, \alpha^1, \alpha^3, \alpha^3$ -tetramethyl-5-(1H-1,2,4-triazol-1-ylmethyl)-1,3-benzenediacetonitrile; ZD1033; Anastrozole

CATALOG #: B2177-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₉N₅

MOLECULAR WEIGHT: 293.4

CAS NUMBER: 120511-73-1

APPEARANCE: White solid

SOLUBILITY: DMSO (>10 mg/ml)

PURITY: ≥97% by HPLC

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

DESCRIPTION: Anastrozole is a potent aromatase inhibitor that has been shown to effectively eliminate the conversion of androgens to estrogens in peripheral tissues. It inhibits human placental aromatase *in vitro* with an IC₅₀ value of 15 nM and at doses 100–200 times its maximally effective aromatase inhibitory dose, does not interfere with the biosynthesis of other steroids, including cholesterol, cortisol, and aldosterone.

REFERENCES: Smith, I.E., et al. (2003). *New England Journal of Medicine* **348**, 2431-2442

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

RELATED PRODUCTS:

DL-Aminoglutethimide (**B2040**)

Anastrozole (B2177)

Exemestane (**9473**)

Formestane (**B2041**)

Letrozole (**B2042**)

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