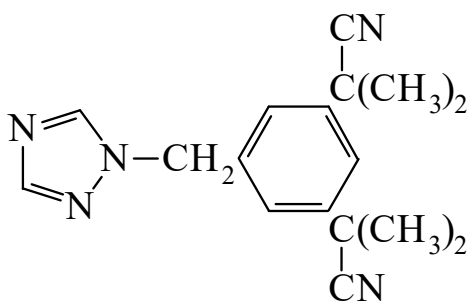




>> **Name:** Anastrozole, BAN, USAN

Synonym(s): $\alpha,\alpha,\alpha',\alpha'$ -Tetramethyl-5-(1*H*-1,2,4-triazol-1-ylmethyl)-1,3-benzenediacetonitrile, 9Cl. 2,2'-Dimethyl-2,2'-[5-(1*H*-1,2,4-triazol-1-ylmethyl)-1,3-phenylene]bis(propiononitrile). Arimidex. ZD 1033. ICI D1033



CAS Registry Number: 120511-73-1

Molecular Formula: C₁₇H₁₉N₅

Molecular Weight: 293.371

Accurate Mass: 293.164045

Percentage Composition: C 69.60%; H 6.53%; N 23.87%

Use/Importance: Aromatase inhibitor. Antineoplastic agent, under investigation for treatment of breast cancer

Physical Description: Cryst. (EtOAc/cyclohexane)

Development Status: Launched 1995 (UK)

Melting Point: Mp 81-82°

Calculated Log P Data: Log P 1.25 (calc)

References:

Eur. Pat., 1988, ICI, 296 749; *CA*, **111**, 7410c, (*synth, pharmacol*)

Plourde, P.V. *et al.*, *J. Steroid Biochem. Mol. Biol.*, 1995, **53**, 175, (*rev*)