**Importazole**

**ALTERNATE NAMES:** N-(1-phenylethyl)-2-(pyrrolidin-1-yl)quinazolin-4-amine; IPZ

**CATALOG #:**
- B2958-5  5 mg
- B2958-25  25 mg

**STRUCTURE:**

![Chemical Structure of Importazole]

**MOLECULAR FORMULA:** C₂₀H₂₂N₄

**MOLECULAR WEIGHT:** 318.42

**CAS NUMBER:** 662163-81-7

**APPEARANCE:** Solid

**PURITY:** >98%

**SOLUBILITY:**
- ~30 mg/ml in DMSO and DMF
- ~5 mg/ml in Ethanol

**DESCRIPTION:** Importazole is a 2,4-diaminoquinazoline that inhibits the function of transport receptor importin-β, likely by altering its interaction with RanGTP. Importazole prevents nuclear import of GFP-tagged nuclear factor of activated T cells (NFAT-GFP) in HEK293 cells with an IC₅₀ of 15 μM, which is reversible upon importazole washout. Importazole inhibits nuclear import of topoisomerase IIβ binding protein 1 (TopBP1) in Xenopus egg extracts and NF-κB in multiple myeloma cells. It induces apoptosis and inhibits growth of multiple myeloma cell lines with IC₅₀ values of 4.4 μM and 4.8 μM, respectively. It also induces defects in astral MT dynamics and misoriented spindles.

**STORAGE TEMPERATURE:** -20ºC. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

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

**REFERENCES:**

**RELATED PRODUCTS:**
- Etoposide (Cat. No. 1043)
- Apoptozole (Cat. No. B2412)
- Camptothecin (Cat. No. 1039)
- Colchicine (Cat. No. 1519)
- Nocodazole (Cat. No. 2185)

**DISCLAIMER:** FOR RESEARCH USE ONLY! Not to be used on humans.