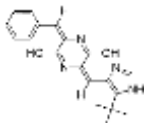


PRODUCT: Plinabulin**ALTERNATE NAMES:** (3Z,6Z)-3-benzylidene-6-[(5-tert-butyl-1H-imidazol-4-yl)methylidene]piperazine-2,5-dione; NPI-2358**CATALOG NUMBER:** B2049-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₉H₂₀N₄O₂**MOLECULAR WEIGHT:** 336.39**CAS NUMBER:** 714272-27-2**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO (~ 5 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light

DESCRIPTION: Plinabulin (NPI-2358) is a vascular disrupting agent (VDA). Plinabulin binds to the colchicine binding site of β-tubulin preventing polymerization and disrupting the cytoplasmic microtubule network. It is also an antineoplastic agent that activates an immune response. Plinabulin induces dendritic cell maturation and cytokines interleukin-1β (IL-1β), IL-6, and IL-12 production, all of which are important in neutrophil survival.

REFERENCES: Blayney, D.W., *et al.* (2016). *Blood* **128**, 2508.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Betulinic Acid (**Cat. No. 1552-25**)
 Bexarotene (**Cat. No. 1575-5, 50**)
 Capecitabine (Cat. No. 1741-100, 1000)
 Carboplatin (**Cat. No. 1553-100**)
 Cisplatin (**Cat. No. 1550-100,1000**)
 Colchicine (**Cat. No. 1519-1000**)
 Daunorubicin.HCl (**1524-10,50,500**)
 Docetaxel (**Cat. No. 2232-10, 50**)
 Doxorubicin HCl (**Cat. No. 1527-5**)
 (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
 Epothilone B (**Cat. No. 2012-1, 5**)
 Fludarabine Phosphate (**Cat. No. 1763-10, 50**)
 Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)
 Genistein (**Cat. No. 1533-10**)
 Lasalocid Sodium (**Cat. No. B1587-5,25**)
 Ilimaquinone (**Cat. No. 2038-100**)
 Nedaplatin (**Cat. No. 1576-5**)
 Nocodazole (**Cat. No. 2185-10, 50**)
 Oxaliplatin (**Cat. No. 1577-25**)
 Piperlongumine (**Cat. No. 1919-10, 50**)
 Paclitaxel (**Cat. No. 1567-25**)
 Solamargine (**Cat. No. B1586-5,25**)
 Tamoxifen Citrate (**Cat. No. 1551-1000**)
 Vinorelbine Tartrate (**Cat. No. 1957-5, 25**)

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