

**DATA SHEET**

**Product Name:** INK-128

**Catalog #:** CV-1027

**Alt:** CAS # 1224844-38-5; 3-(2-amino-5-benzoxazolyl)-1-(1-methylethyl)-1H-pyrazolo[3,4-d]pyrimidin-4-amine; MLN- 0128

**Molecular Mass:** 309.3

**Analysis:** >98% (TLC/HPLC); NMR (conforms)

**Supplied As:** Off-white powder

**Resuspension:** May be dissolved in DMSO (25 mg/ml)

**Storage:** Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 3 months.

**Description:** A potent and selective, ATP-competitive inhibitor of mTOR kinase,  $K_i = 1.4 \text{ nM}^1$ . Inhibits growth and proliferation of various breast cancer cell lines and human endothelial cells<sup>2</sup>.

**References:**  
1. Hsieh, A.C., et al., (2012) Nature, 485 : 55  
2. Gokmen-Polar, Y., et al., (2012) Breast Cancer Res. Treat., 136 : 673

**For research use only. Not for use in humans.**