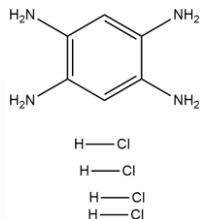


**PRODUCT: Y15****ALTERNATE NAME:** 1,2,4,5-benzenetetramine, tetrahydrochloride**CATALOG #:** B1252-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:**  $C_6H_{10}N_4 \cdot 4HCl$ **MOLECULAR WEIGHT:** 284.01**CAS NUMBER:** 4506-66-5**APPEARANCE:** Dark Purple to dark brown solid**SOLUBILITY:** DMSO (>20 mg/ml) or (H<sub>2</sub>O (>15 mg/ml)**PURITY:** ≥95%**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** Y15 is a selective focal adhesion kinase (FAK) inhibitor preventing FAK autophosphorylation at IC<sub>50</sub> of 1 μM. It does not have any significant activity against a range of other kinases like EGFR, PDGFR, and IG-RI. Y15 has shown to promote cell detachment inhibiting cell adhesion in in vitro experiments, shows antiproliferative activity in variety of tumor cell lines. *In vivo* it has been shown to inhibit the proliferation of breast cancer cells.**REFERENCES:** Hochwald. S.N., *et al.* (2009). *Cell Cycle*, **8**, 2435-2443**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**GSK2256098 (**B1224**)PF-04554878 (**2888**)PF-431396 (**2844**)PF-573228 (**2819**)PND-1186 (**2823**)TAE-226 (**9436**)**USAGE: FOR RESEARCH USE ONLY! Not to be used in humans**