

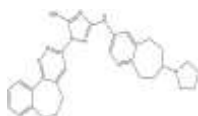
**PRODUCT: R428**

**ALTERNATE NAME:** 1-(6,7-dihydro-5H-benzo[6,7]cyclohepta[1,2-c]pyridazin-3-yl)-N3-(7-(pyrrolidin-1-yl)-6,7,8,9-tetrahydro-5H-benzo[7]annulen-2-yl)-1H-1,2,4-triazole-3,5-diamine;BGB324

**CATALOG #:** 9591-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>30</sub>H<sub>34</sub>N<sub>8</sub>

**MOLECULAR WEIGHT:** 506.64

**CAS NUMBER:** 1037624-75-1

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (>5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** R428 is a potent and selective small-molecule inhibitor (IC<sub>50</sub> =14 nM) of the receptor tyrosine kinase Axl. R428 blocks Axl-dependent events, including Akt phosphorylation, breast cancer cell invasion, and proinflammatory cytokine production.

**REFERENCES:** Holland, S.J., et al. (2010). *Cancer Res.* **70**, 1544-1554.

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

**RELATED PRODUCTS:**

A83-01 (Cat. No. 1725-1)  
 ABT-869 (Cat. No. 1615-1,5)  
 Axitinib (Cat. No. 1581-5, 25)  
 BIBW2992 (Cat. No. 1616-1,5)  
 BMS-599626 (Cat. No. 1614-1,5)  
 Bosutinib (Cat. No. 1584-5, 25)  
 Canertinib (Cat. No. 1617-5)  
 Cediranib (Cat. No. 1613-1,5)  
 CP-690550 (Cat. No. 1622-5,25)  
 Crizotinib (Cat. No. 1934-5, 25)  
 Dasatinib (Cat. No. 1586-25, 100)  
 Emodin (Cat. No. 1875-25, 100)  
 Enzastaurin (LY317615)(Cat. No. 1619-1,5)  
 Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)  
 EZSolution™ Staurosporine (Cat. No. 1745-01)  
 Gefitinib (Cat. No. 1589-5,25)  
 Genistein (Cat. No. 1533-10, 100)  
 Go 6976 (Cat. No. 1711-500)  
 Imatinib Mesylate (Cat. No. 1625-100, 1000)  
 Lapatinib Ditosylate (Cat. No. 1624-25,100)  
 Nilotinib (Cat. No. 1750-25, 100)  
 PD 153035, Hydrochloride (Cat. No. 1656-2)  
 PD173074 (Cat. No. 1675-1)  
 Saracatinib (Cat. No. 1582-5, 25)  
 SB-431542 (Cat. No. 1674-1)  
 Sorafenib (Cat. No. 1594-5, 25)  
 Staurosporine (Cat. No. 1048-01,1)  
 Tamoxifen Citrate (Cat. No. 1551-1000)  
 SU 1498 (Cat. No. 1836-1,5)  
 SU-5402 (Cat. No. 1645-05)  
 Sunitinib Malate (Cat. No. 1611-100, 1000)  
 Tyrphostin AG 1295 (Cat. No. 1571-5)  
 Tyrphostin AG 490 (Cat. No. 1570-5)  
 Vandetanib (Cat. No. 1751-25, 100)

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