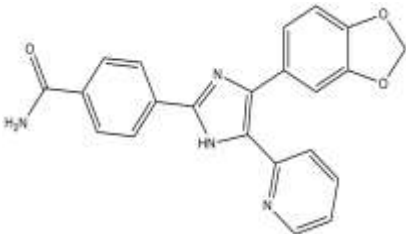


## EZSolution™ SB-431542

ALTERNATE NAME	4-[4-(1,3-benzodioxol-5-yl)-5-pyridin-2-yl-1H-imidazol-2-yl]benzamide
CATALOG #:	1872-1
STRUCTURE:	 The chemical structure of SB-431542 is a complex molecule. It features a central imidazole ring. One of the imidazole nitrogens is bonded to a 4-aminophenyl group (a benzene ring with an amino group at the para position). The other nitrogen of the imidazole ring is bonded to a 5-(1,3-benzodioxol-5-yl)pyridin-2-yl group. The 5-position of the pyridine ring is also bonded to a phenyl ring. The 1,3-benzodioxole group consists of a benzene ring fused to a 1,3-dioxole ring.
MOLECULAR FORMULA:	C <sub>22</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub>
MOLECULAR WEIGHT:	384.39
CAS NUMBER:	301836-41-9
APPEARANCE:	Liquid
FORMULATION:	10 mM solution in DMSO
PURITY:	≥98% by HPLC
STORAGE:	Store at -20°C. Protect from air and light
DESCRIPTION:	A 10 mM (1 mg in 260 µl) solution of SB-431542 (Cat. No. 1674-1) in anhydrous DMSO.
HANDLING:	Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

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

### RELATED PRODUCTS:

- A 83-01 (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)
- Dasatinib (Cat. No. 1586-25, 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)
- SU 1498 (Cat. No. 1836-1,5)
- Tamoxifen Citrate (Cat. No. 1551-1000)
- 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)