SB 431542
Catalog Number: 3014193

Product Information

**Synonyms:** SB-431542, CHEMBL440084, 3tzm, GTPL8216, FHYUGA JXYORMHI-UHFFFAOYSA-N

**Chemical Name:** 4-{4-(1,3-benzodioxol-5-yl)-5-pyridin-2-yl-1H-imidazol-2-yl}benzamide

**Molecular Formula:** C₂₂H₁₆N₄O₃

**Molecular Weight:** 384.4

**CAS Number:** 301836-41-9

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.

Description

SB 431542 is a selective inhibitor of the TGF-beta type I receptor activin receptor-like kinase (ALK) receptors, ALK5, ALK4 and ALK7 to the exclusion of the BMP type I receptors ALK2, ALK3, and ALK6. It is reported to be useful in promoting stem cell differentiation by suppressing cell renewal by blocking Smad signaling.

Preparation & Storage

Soluble in organic solvents such as ethanol and DMSO. DMSO up to 50 mM

References

