SB 431542
Catalogue Number : 3014193

Product Information

Synonyms:
- SB-431542,
- CHEMBL440084,
- 3tzm,
- GTPL8216,
- FHYUGAJOYRMHI-UHFFFAOYSA-N

Chemical Name: 4-[4-(1,3-benzodioxol-5-yl)-5-pyridin-2-yl-1H-imidazol-2-yl]benzamide

Molecular Formula: C_{22}H_{16}N_{4}O_{3}

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

