

XAV-939, Tankyrase inhibitor

Catalog	Unit
TBI1186-5MG	5 mg
TBI1186-25MG	25 mg

Product Details

Formal Name: 2-[4-(Trifluoromethyl)phenyl]-7,8-dihydro-5H-thiino[4,3-d]pyrimidin-4-ol

Molecular Formula: C₁₄H₁₁F₃N₂OS

Formula Weight: 312.31

CAS Number: 284028-89-3

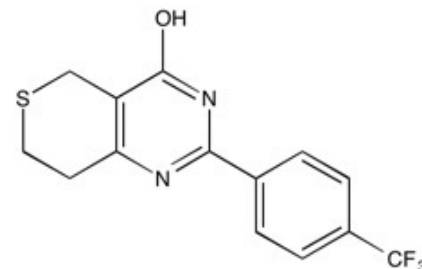
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

Tankyrase inhibitor

Functions

Tankyrase inhibitor (IC₅₀=11 and 4 nM for TNKS1 and 2 respectively). Antagonizes Wnt signaling downstream of receptor activation via stabilization of axin, a negative regulator of β-catenin. Robustly induces cardiomyogenesis of stem cells. Reduces experimental fibrosis in a mouse model of bleomycin-induced dermal fibrosis. Promotes apoptosis in a neuroblastoma cell line via telomere shortening. An important tool for probing the activation of the Wnt/β-catenin pathway in cells. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.