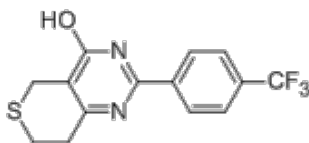


# Product Sheet

## XAV-939

<b>Catalog #</b>	XAV-02; XAV-10; XAV-50
<b>Description</b>	<p>XAV-939, 2-(4-(trifluoromethyl)phenyl)-7,8-dihydro-5H-thiopyrano[4,3-d]pyrimidin-4-one, is an inhibitor of Tankryases with IC50 of 11 and 4nM for Tankyrase 1 and Tankyrase 2, respectively. It stimulates beta-catenin degradation by stabilizing axin, resulting in the inhibition of the canonical WNT pathway. Both tankyrase isoforms interact with a highly conserved domain of axin and stimulate its degradation through the ubiquitin-proteasome pathway. Tankyrase inhibitors are potential therapeutics for cancers as deregulated Wnt/b-catenin pathway activity has been implicated in many cancers.</p> <p><i>Ref: Huang SM et al. Nature. 2009 Oct 1; 461(7264):614-20.</i></p>
<b>Formulation</b>	Powder
<b>Reconstitution</b>	Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The compound is soluble in DMSO.
<b>Stability</b>	The powder is stable for at least 2 year if stored at -20 degree C. The dissolved compound is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -20 degree C for longer term. Protect from light.
<b>Purity</b>	Greater than 98% as determined by LC/MS analysis. LC/MS and/or NMR data available upon request.
<b>Biological Activity</b>	In a cell-based assay measuring the activation of the TCF reporter gene, this compound gives IC50 of 300 nM.

### Structural Info



M.W.: 312.31

Formula: C<sub>14</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>OS

Solubility: DMSO up to 100 mM

CAS No.: 284028-89-3

**For Research Use Only. Not for Use in Humans.**