

BDP-13176 Fascin-1 Inhibitor

Catalogue number: 160596

Sub-type: Inhibitor

Images:

Contributor

Inventor: Laura Machesky

Institute: Cancer Research UK, Glasgow: The Beatson Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: BDP-13176 Fascin-1 Inhibitor

Alternate name: FSCN1, Fascin1, Fascin, Fascin actin binding protein

Class:

Conjugate:

Description: Fascin is an actin binding and bundling protein that is not expressed in normal epithelial tissues but overexpressed in a variety of invasive epithelial tumors. It has a critical role in cancer cell metastasis by promoting cell migration and invasion. BDP-13176 is a has potent affinity to Fascin-1, and is capable of inhibiting the binding of Fascin-1 to filamentous actin.

Purpose: Inhibitor

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: For detailed technical information, please see the manuscript and supplementary information on Francis et al., 2019. PMID: 30773430 SPR Kd (Å?M): 0.08 Ligand efficiency: 0.29 Inhibition of actin bundling IC₅₀ (Å?M): 0.24 Turbidimetric solubility midpoint (Å?M): 65 logD_{7.4}: 1.8 Molecular weight (Da): 497 Caco-2 permeability A-B Papp (10⁻⁶ cm/s): 0.15 Efflux ratio: 37.8 Microsomal CLint (Å?L/min/mg protein) Mouse: 11.8 Human: 6.4 CYP450 IC₅₀ (Å?M) CYP3A4: 7 CYP2D6: 1.6 CYP2C19: 22 CYP2C9: 5.9 hERG IC₅₀ (Å?M): >25

Target details

Target:

Target alternate names:

Target background:

Molecular weight: 497

Ic50: 0.24â??Å?â??0.01 Å?M

Applications

Application:

Application notes:

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry Ice

Related tools

Related tools:

References

References:

CancerTools.org