

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

TAK 715

Product overview

| | |
|--------------------------|---|
| Name | TAK 715 |
| Cat No | HB0599 |
| Biological action | Inhibitor |
| Purity | >99% |
| Description | Potent, p-38 MAP kinase inhibitor. Wnt/ β -catenin signaling inhibitor. |

Biological Data

| | |
|-------------------------------|---|
| Biological description | Potent p-38 MAP kinase inhibitor ($IC_{50} = 7.1$ nM for p-38MAPK α). Also Wnt-3a-stimulated β -catenin signalling inhibitor. Shows anti-rheumatic and anti-inflammatory properties. |
|-------------------------------|---|

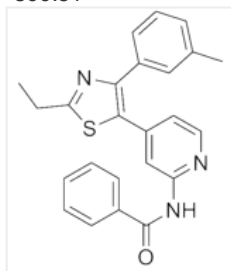
Solubility & Handling

| | |
|-----------------------------|---|
| Storage instructions | +4 °C |
| Solubility overview | Soluble in DMSO (100mM) or ethanol (50mM) |
| Important | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

Chemical Data

| | |
|-------------------------|---|
| Chemical name | N-[4-[2-Ethyl-4-(3-methylphenyl)-5-thiazolyl]-2-pyridinyl]benzamide |
| Molecular Weight | 399.51 |

Chemical structure



| | |
|---------------------------|---|
| Molecular Formula | C ₂₄ H ₂₁ N ₃ OS |
| CAS Number | 303162-79-0 |
| PubChem identifier | 9952773 |
| SMILES | CCC1=NC(=C(S1)C2=CC(=NC=C2)NC(=O)C3=CC=CC=C3)C4=CC(=CC=C4)C |
| InChiKey | BRYAJHADJWBFQY-UHFFFAOYSA-N |

References

Inhibition of Wnt/ β -catenin signaling by p38 MAP kinase inhibitors is explained by cross-reactivity with casein kinase I δ/ϵ .

Verkaar F *et al* (2011) Chem Biol 18(4)

PubMedID [21513885](https://pubmed.ncbi.nlm.nih.gov/21513885/)

Novel inhibitor of p38 MAP kinase as an anti-TNF-alpha drug: discovery of N-[4-[2-ethyl-4-(3-methylphenyl)-1,3-thiazol-5-yl]-2-pyridyl]benzamide (TAK-715) as a potent and orally active anti-rheumatoid arthritis agent.

Miwatashi S *et al* (2005) J Med Chem 48(19)

PubMedID [16162000](#)

X-ray structure of p38 α bound to TAK-715: comparison with three classic inhibitors.

Azevedo R *et al* (2012) Acta Crystallogr D Biol Crystallogr 68(Pt 8)

PubMedID [22868770](#)
