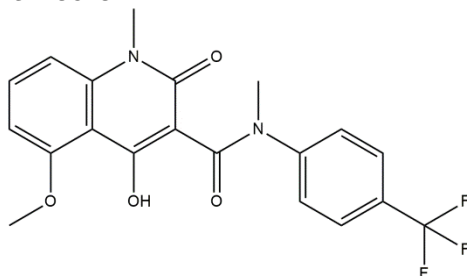


Tasquinimod

ALTERNATE NAMES: 4-hydroxy-5-methoxy-N,1-dimethyl-2-oxo-N-[4-(trifluoromethyl)phenyl]quinoline-3-carboxamide; 1,2-dihydro-4-hydroxy-5-methoxy-N,1-dimethyl-2-oxo-N-[4-(trifluoromethyl)phenyl]-3-quinolinecarboxamide; N-Methyl-N-(4-trifluoromethyl-phenyl)-1,2-dihydro-4-hydroxy-5-methoxy-1-methyl-2-oxo-quinoline-3-carboxamide; ABR-215050

CATALOG #: B2855-5 5 mg
B2855-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₁₇F₃N₂O₄

MOLECULAR WEIGHT: 406.36

CAS NUMBER: 254964-60-8

APPEARANCE: A crystalline solid

PURITY: 99.85%

SOLUBILITY: ~2 mg/ml in Ethanol
~10 mg/ml in DMSO
~20 mg/ml in DMF

DESCRIPTION: Tasquinimod has anti-angiogenic, antitumor and immune-modulatory properties. It shows consistent anti-angiogenic activity *in vitro* at doses between 10-50 μM. The mechanism of action of tasquinimod is not clear but may involve inhibition of MDSC action, a key immune checkpoint in cancer, inhibition of the hypoxia-induced angiogenic switch through epigenetic regulation of HDAC3/4 interactions, which may delay metastatic progression and engagement of the S100A9 protein. It is under clinical evaluation for use in combination therapy with other systemic agents in prostate cancer and as a single agent in solid tumors.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Mehta, A.R., and Armstrong, A.J. Tasquinimod in the treatment of castrate-resistant prostate cancer - current status and future prospects. *Ther. Adv. Urol.* 8(1), 9-18 (2016).
2. Olsson, A., Bjork, A., Vallon-Christersson, J., et al. Tasquinimod (ABR-215050), a quinoline-3-carboxamide anti-angiogenic agent, modulates the expression of thrombospondin-1 in human prostate tumors. *Mol. Cancer.* 9:107 (2010).

RELATED PRODUCTS:

Borrelidin (Cat. No. 2367)
SKLB610 (Cat. No. 2610)
Fumagillin (Cat. No. 2368)
EZSolution™ Trichostatin A (Cat. No. 2271)
Isoxanthohumol (Cat. No. 2529)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**