Taranabant
Item No. 10009795

CAS Registry No.: 701977-09-5
Formal Name: N-[(1S,2S)-3-(4-chlorophenyl)-2-(3-cyanophenyl)-1-methylpropyl]-2-methyl-2-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-propanamide
Synonym: MK-0364
MF: C_{27}H_{25}ClF_{3}N_{3}O_{2}
FW: 516.0
Purity: ≥98%
UV/Vis.: \( \lambda_{\text{max}} \): 220, 270, 311 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Taranabant is supplied as a crystalline solid. A stock solution may be made by dissolving the taranabant in the solvent of choice. Taranabant is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 50 mM.

Description

Taranabant is an inverse agonist at the central cannabinoid (CB) receptor CB\(_1\) (IC\(_{50}\) = 35 nM for rat brain CB\(_1\)).\(^1\) It has little effect at human CB\(_2\) (IC\(_{50}\) > 10 µM).\(^1\) In a published study, taranabant mediated weight loss by increasing energy expenditure and decreasing caloric intake.\(^2\)

References


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WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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