

Product Information

Dehydrogenase inhibitor, Manitimus, Purity ≥98%

Cat. No.: X24-09-YM200

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 202057-76-9

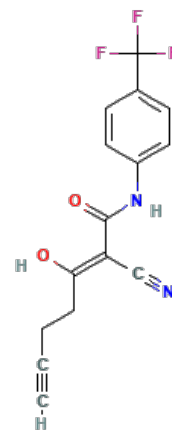
Compound CID: 54686843

Synonym: 202057-76-9; FK778; FK 778; FK-778; Malononitrilamide 715;

(Z)-2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]hept-2-en-6-ynamide; MNA 715;

(Z)-2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]hept-2-en-6-ynamide;

Dehydrogenase inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Manitimus is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting dehydrogenases. The molecular weight of the compound is 308.26, and its molecular formula is C ₁₅ H ₁₁ F ₃ N ₂ O ₂ .
Molecular Weight	308.26
Molecular Formula	C ₁₅ H ₁₁ F ₃ N ₂ O ₂
IUPAC Name	(Z)-2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]hept-2-en-6-ynamide
InChI	InChI=1S/C15H11F3N2O2/c1-2-3-4-13(21)12(9-19)14(22)20-11-7-5-10(6-8-11)15(16,17)18/h1,5-8,21H,3-4H2,(H,20,22)/b13-12-
InChI Key	IRELROQHIPLASX-SEYXRHQNSA-N
Canonical SMILES	C#CCCC(=C(C#N)C(=O)NC1=CC=C(C=C1)C(F)(F)F)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Manitimus can be used for its potential to disrupt energy metabolism in cancer cells, potentially leading to tumor growth inhibition.
Storage	Store at -20°C, and keep desiccated.



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