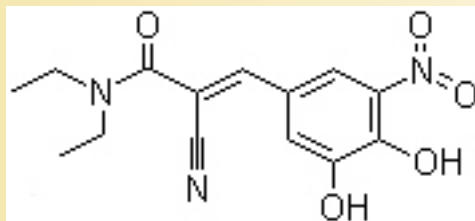


Entacapone (Cas No 130929-57-6)

Entacapone

Synonyms 2-Cyano-3-(5-dihydroxyamino-3,4-dioxo-1-cyclohexa-1,5-dienyl)-N,N-diethyl-prop-2-enamide



CAS Number 130929-57-6

Molecular Formula C₁₄H₁₅N₃O₅

Molecular Weight 305.29

Systematic (IUPAC) name

(2E)-2-cyano-3-(3,4-dihydroxy-5-nitrophenyl)-N,N-diethylprop-2-enamide

Chemical data

Formula C₁₄H₁₅N₃O₅ Mol. mass 305.286 g/mol

Synonyms

* (E)-α-cyano-N,N-diethyl-3,4-dihydroxy-5-nitrocinnamamide

* (E)-2-cyano-N,N-diethyl-3-(3,4-dihydroxy-5-(nitrophenyl)acrylamide

Pharmacokinetic data

Bioavailability 35%

Protein binding 98% (binds to serum albumin)

Metabolism Hepatic

Half life 0.4-0.7 hour

Excretion 90% feces, 10% urine