

(±)11(12)-DiHET**Chemical Properties**

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	(±)-11(12)-DiHET is an oxylipin. 11(S),12(S)-DiHET and 11(R),12(R)-DiHET are vicinal diols formed via enzymatic hydration of 11(12)-EET by cytosolic or soluble epoxide hydrolases in a non-stereoselective manner. 1,2,3(±)11(12)-DiHET MaxSpec standard is a quantitative grade standard of (±)11(12)-DiHET that has been prepared specifically for mass spectrometry and related applications where quantitative reproducibility is required. The solution has been prepared gravimetrically and is supplied in a deactivated glass ampule sealed under argon. The concentration was verified by comparison to an independently prepared calibration standard. This (±)11(12)-DiHET MaxSpec standard is guaranteed to meet identity, purity, stability, and concentration specifications and is provided with a batch-specific certificate of analysis. Ongoing stability testing is performed to ensure the concentration remains accurate throughout the shelf life of the product. Note: The amount of solution added to the vial is in excess of the listed amount. Therefore, it is necessary to accurately measure volumes for preparation of calibration standards. Follow recommended storage and handling conditions to maintain product quality.
Targets(IC50)	Others

Reference

Fang, X., Kaduce, T.L., Weintraub, N.L., et al. Functional implications of a newly characterized pathway of 11,12-epoxyeicosatrienoic acid metabolism in arterial smooth muscle *Circ. Res.* 79784-793(1996)

Zeldin, D.C., Kobayashi, J., Falck, J.R., et al. Regio- and enantiofacial selectivity of epoxyeicosatrienoic acid hydration by cytosolic epoxide hydrolase *J. Biol. Chem.* 268(9)6402-6407(1993)

Zhang, G., Kodani, S., and Hammock, B.D. Stabilized epoxygenated fatty acids regulate inflammation, pain, angiogenesis and cancer *Prog. Lipid Res.* 53108-123(2014)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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