
Product Data Sheet

Product Name: TC HSD 21

Cat. No.: GC13760

Chemical Properties

Cas. No. 330203-01-5

Chemical Name (Z)-5-(3-bromo-4-hydroxybenzylidene)-3-(4-methoxyphenyl)-2-thioxothiazolidin-4-one

SMILES COC1=CC=C(N(C2=S)C(/C(S2)=C([H])/C3=CC(Br)=C(O)C=C3)=O)C=C1Formula C₁₇H₁₂BrNO₃S₂

M.Wt 422.32

Solubility <42.23mg/ml in DMSO

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

TC HSD 21 is a potent 17β-hydroxysteroid dehydrogenase type 3 (17β-HSD3) inhibitor with an IC₅₀ of 14 nM. TC HSD 21 shows excellent selectivity over 17β-HSD isoenzymes and nuclear receptors[1].

References:

[1]. Harada K, et al. Identification of oxazolidinediones and thiazolidinediones as potent 17β-hydroxysteroid dehydrogenase type 3 inhibitors. *Bioorg Med Chem Lett*. 2012 Jan 1;22(1):504-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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