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**Product Data Sheet**

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Product Name: Diacetazolol (Diacetotoluide)

Cat. No.: GC34000

**Chemical Properties**

Cas. No. 83-63-6

SMILES CC(N(C(C)=O)C1=CC=C(/N=N/C2=CC=CC=C2C)C=C1C)=OFormula  $C_{18}H_{19}N_3O_2$  M.Wt 309.36

Solubility DMSO : 100 mg/mL (323.25 mM; Need ultrasonic) 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**

Diacetazolol inhibits dioxin-induced ethoxyresorufin-O-deethylase (EROD) activity with IC50 of 75±4 nM. Diacetazolol extracts from patent US20070032458, compound 3.

Diacetazolol has activity for inhibiting dioxin toxicity[1].

[1]. Pann Suh, et al. Compound having activity for inhibiting dioxin toxicity, pharmaceutical composition comprising the compound and method for treating disease resulting from dioxin toxicity using the compound .US 20070032458 A1.

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

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