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**Product Data Sheet**

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Product Name: 4-Ethylresorcinol

Cat. No.: GC61688

**Chemical Properties**

Cas. No. 2896-60-8

SMILES OC1=CC=C(CC)C(O)=C1Formula  $C_8H_{10}O_2$ 

M.Wt 138.17

Solubility DMSO : 100 mg/mL (723.75 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**

4-Ethylresorcinol, a derivative of resorcinol, can act as substrates of tyrosinase. 4-Ethylresorcinol possess hypopigmentary effects. 4-Ethylresorcinol attenuates mRNA and protein expression of tyrosinase-related protein (TRP)-2, and possessed antioxidative effect by inhibiting lipid peroxidation[1][2].

[1]. Jimenez AG, et, al. Characterization of the action of tyrosinase on resorcinols. Bioorg Med Chem. 2016 Sep 15;24(18):4434-4443. [2]. Lam RYY, et, al. Mechanistic studies of anti-hyperpigmentary compounds: elucidating their inhibitory and regulatory actions. Int J Mol Sci. 2014 Aug 21;15(8):14649-68.

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

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