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**Product Data Sheet**

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Product Name: EC 19  
Cat. No.: GC50282

**Chemical Properties**

Cas. No. 1010694-08-2

SMILES CC1(C)C2=C(C=CC(C#CC3=CC(C(O)=O)=CC=C3)=C2)C(C)(C)CC1

Formula C<sub>23</sub>H<sub>24</sub>O<sub>2</sub> M.Wt 332.44

Solubility Soluble 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**

Synthetic analogue of all trans-retinoic acid. Promotes differentiation of human embryonal carcinoma (EC) cells primarily into epithelial-like cells, along with a small number of neurons.

Christie et al (2008) Synthesis and evaluation of synthetic retinoid derivatives as inducers of stem cell differentiation. Org.Biomol.Chem. 6 3497 PMID:19082150 |Clemens et al (2013) The action of all-trans-retinoic acid (ATRA) and synthetic retinoid analogues (EC19 and EC23) on human pluripotent stem cells differentiation investigated using single cell infrared microspectroscopy. Mol.Biosyst. 9 677 PMID:23364809

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

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