

EM-651

## Chemical Properties

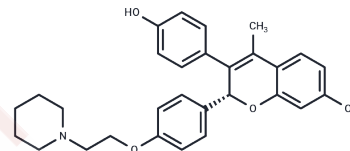
CAS No. : 182167-58-4

Formula: C<sub>29</sub>H<sub>31</sub>NO<sub>4</sub>

Molecular Weight: 457.56

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	EM-651 (2H-1-Benzopyran-7-ol, 3-(4-hydroxyphenyl)-4-methyl-2-[4-[2-(1-piperidinyl)ethoxy]phenyl]-, (2R)-) is an enantiomer of EM-652, IC <sub>50</sub> =20.0 nM. EM-652 is an orally active pure antiestrogen and selective estrogen receptor antagonist, IC <sub>50</sub> =0.44nM.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 45 mg/mL (98.35 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1855 mL	10.9275 mL	21.8551 mL
5 mM	0.4371 mL	2.1855 mL	4.371 mL
10 mM	0.2186 mL	1.0928 mL	2.1855 mL
50 mM	0.0437 mL	0.2186 mL	0.4371 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Martel C, Provencher L, Li X, St Pierre A, Leblanc G, Gauthier S, Mérand Y, Labrie F. Binding characteristics of novel nonsteroidal antiestrogens to the rat uterine estrogen receptors. J Steroid Biochem Mol Biol. 1998 Feb;64(3-4):199-205. doi: 10.1016/s0960-0760(97)00192-1. PMID: 9605415.

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