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**Product Data Sheet**

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Product Name: (E)-Osmundacetone

Cat. No.: GC63903

**Chemical Properties**

Cas. No. 123694-03-1

Formula C<sub>10</sub>H<sub>10</sub>O<sub>3</sub>

M.Wt 178.18

Solubility DMSO : 100 mg/mL (561.20 mM; Need ultrasonic)

Storage 4°C, away from moisture and light

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**

(E)-Osmundacetone is the isomer of Osmundacetone. Osmundacetone significantly suppresses the phosphorylation of MAPKs, including JNK, ERK, and p38 kinases. Osmundacetone has a neuroprotective effect against oxidative stress[1].

[1]. Tuy An Trinh, et al. Protective Effect of Osmundacetone against Neurological Cell Death Caused by Oxidative Glutamate Toxicity. *Biomolecules*.2021 Feb 22;11(2):328.

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

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