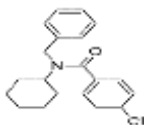


**PRODUCT: FPS-ZM1****ALTERNATE NAMES:** 4-Chloro-*N*-cyclohexyl-*N*-(phenylmethyl)benzamide**CATALOG NUMBER:** B1933-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>20</sub>H<sub>22</sub>ClNO**MOLECULAR WEIGHT:** 327.85**CAS NUMBER:** 945714-67-0**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~ 30 mg/ml) or EtOH (~25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** FPS-ZM1 is a high-affinity, brain-permeable, RAGE (Receptor for Advanced Glycation End products) receptor antagonist (K<sub>i</sub> = 25 nM). It lowers levels of Aβ via binding to the V domain of RAGE and can block multiple mechanisms of Aβ<sub>40</sub>- and Aβ<sub>42</sub>-induced cellular stress in RAGE-expressing brain endothelium, neurons and microglia *in vitro* and *in vivo*. In a rat model of intracerebral hemorrhage, FPS-ZM1 attenuates blood-brain barrier and white matter fiber damage. It ameliorates inflammatory damage after acute intracerebral hemorrhage via downstream blockade of high mobility box-1(HMGB1) signaling.

**REFERENCES:** Hong, Y., *et al.* (2016). *Neurochem. Res.* **41**, 1192-1199.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Azeliragon (**B1152**)Human CellExp™, RAGE/AGER, Fc Tag, Human Recombinant (**P1231**)RAGE, human recombinant (**4271**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**