## For Research Use Only Tenofovir Disoproxil



## Catalog Number: CM00696

产品信息	Catalog Number:   CM00696   CAS号:   201341-05-1   分子式:   C <sub>19</sub> H <sub>30</sub> N <sub>5</sub> O <sub>10</sub> P   主要靶点:   HIV Protease HBV Reverse   Transcriptase   主要通路:   微生物学 蛋白酶体	分子量: 519.44 溶解度: DMSO:38 mg/mL (73.16 mM)	$H_{*}C - \begin{pmatrix} CH_{5} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$
体外活性	Human renal proximal tubular epithelial c µ M TFV or vehicle, phosphate buffered sal Bromide) and Trypan blue indicated that Tl compared to vehicle, reflecting mitochond carbonylation and 4-hydroxynonenol (4-HI media following exposure to 14.5 and 28.8 h. HK-2 cells are a sensitive model for TFV treated with TFV[1].	ine (PBS). MTT (MTT, 3-(4,5-dimethylthia: V diminished cell viability at 24-72 h. Ti rial dysfunction. TFV increased the oxida WE) adduct formation. Tumor necrosis fact μ M TFV. Caspase 3 and 9 cleavage was	zol-2-yl)-2,5-Diphenyltetrazolium FV decreased ATP levels at 72 h when tive stress biomarkers of protein or alpha (TNF a ) was released into the induced by TFV compared to vehicle at 72
细胞实验	Human immortalized epithelial HK-2 pituitary extract and 5 ng/mL recomb warm humidified incubator with con- tissue culture plates (750,000 cells/r treated with a final concentration of equal volume of phosphate buffered treated for 24 h with 0, 1.5, 3 or 6 $\mu$ M less nephrotoxic. Following the treat analysis[1].	inant epithelial growth factor from stant settings of 37 °C and 5% CO2. nL) and allowed to grow for 48 h. Me 0, 1.5, 3.0, 4.75, 14.5, or 28.8 µ M TFV saline (PBS). Abacavir was prepared of abacavir to evaluate renal sensit	Invitrogen. Cells were grown in a HK-2 cells were plated into six-well dia was replaced and cells were for 24, 48, or 72 h. The vehicle was an in sterile water and cells were ivity to an agent recognized to be
描述	Tenofovir Disoproxil is a nucleotide revers	e transcriptase inhibitor to treat HIV and	chronic Hepatitis B.
储存	Powder: -20°C for 3 years   In solvent	-80°C for 2 years	