

Catalog	Unit
TBI4664-5MG	5 mg
TBI4664-25MG	25 mg

### Product Details

**Formal Name:** N-(2,2,2-Trifluoroethyl)-9-[4-[4-[[2-[4-(trifluoromethyl)phenyl]benzoyl]amino]piperidin-1-yl]butyl]fluorene-9-carboxamide

**Alternate Names:** AEGR-733; BMS-201038

**Molecular Formula:** C<sub>39</sub>H<sub>37</sub>F<sub>6</sub>N<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 693.7

**CAS Number:** 182431-12-5

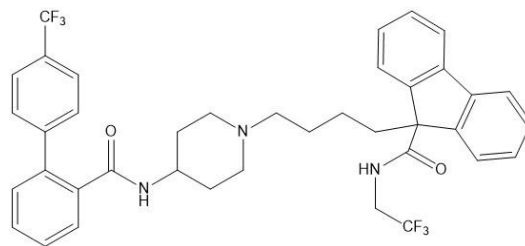
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Microsomal triglyceride transfer protein inhibitor

### Functions

Potent (IC<sub>50</sub> = 8 nM) inhibitor of microsomal triglyceride transfer protein (MTP or MTTP) and is clinically useful in treating familial hypercholesterolemia. It has displayed anticancer activity acting through various pathways including autophagy-dependent cancer cell death via direct inhibition of the kinase activity of mTORC1, activation of AMPK/Beclin1-mediated autophagy, Notch inhibition via targeting TACE and  $\gamma$ -secretase, blocking ZDHHC5-dependent palmitoylation on SSTR5, PFKFB3 inhibition, and PARP14/DRP1-mediated mitophagy.

### Application Procedures

First dissolved in DMSO (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

**For research use only.**