

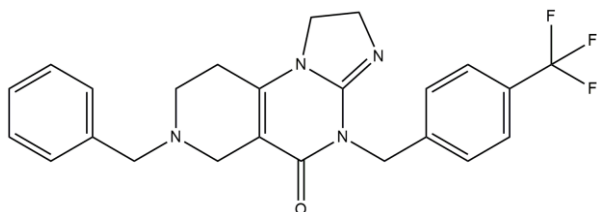
ONC212

11/19

ALTERNATE NAME: 11-benzyl-7-[[4-(trifluoromethyl)phenyl]methyl]-2,5,7,11-tetraza-tricyclo[7.4.0.0^{2,6}]trideca-1(9),5-dien-8-one

CATALOG #: B2950-1 1 mg
B2950-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₃F₃N₄O

MOLECULAR WEIGHT: 440.46

CAS NUMBER: 1807861-48-8

APPEARANCE: Solid

PURITY: 99.20%

SOLUBILITY: 50 mg/ml in DMSO (need ultrasonication)

DESCRIPTION: ONC212 is a fluorinated imipridone analogue of ONC201. It is an activator of GPCR GPR132 and Gαq signaling, which functions as a tumor suppressor. It induces apoptosis in HPAF-II and AsPC1 cell lines at 20 μM and potently prevents colony formation at 5 μM in HPAF-II cells. It inhibits acute myeloid leukemia growth *in vivo* and improves overall survival in xenografted mice.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Nii, T., Prabhu, V.V., Ruvolo, V. et al. Imipridone ONC212 activates orphan G protein-coupled receptor GPR132 and integrated stress response in acute myeloid leukemia. *Leukemia*. 33(12):2805-2816 (2019).
2. Lev, A., Lulla, A.R., Wagner, J. et al. Anti-pancreatic cancer activity of ONC212 involves the unfolded protein response (UPR) and is reduced by IGF1-R and GRP78/BIP. *Oncotarget*. 8(47):81776-81793 (2017).

RELATED PRODUCTS:

Meisoindigo (Cat. No. B1822)
 OICR-9429 (Cat. No. B1256)
 IACS-010759 (Cat. No. B2231)
 Cholesteryl Hemisuccinate (Cat. No. B1978)
 Apoptozole (Cat. No. B2412)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**