

Product Name	: STAT3-IN-1
Synonyms	: —
Cat No.	: M21979
CAS Number	: 2059952-75-7
Molecular Formula	: C ₂₈ H ₂₉ NO ₆
Formula Weight	: 475.53
Chemical Name	: —
Description	: STAT3-IN-1 selective and orally active inhibitor of STAT3 (in HT29 and MDA-MB 231 cells, with IC ₅₀ values of 1.82 μM and 2.14 μM, respectively), induces tumor apoptosis. STAT3-IN-1 induces tumor cells apoptosis in MDA-MB-231 cells.
Pathway	: JAK/STAT Signaling
Target	: STAT
Receptor	: STAT3
Solubility	: DMSO: 125 mg/mL (262.86 mM; ?Need ultrasonic)
SMILES	: <chem>COc1cc(OC)cc(\C=C\c2ccc(NC(=O)\C=C\c3cc(OC)c(OC)c(OC)c3)cc2)c1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Li S, et al. Discovery of oral-available resveratrol-caffeic acid based hybrids inhibiting acetylated and phosphorylated STAT3 protein. Eur J Med Chem. 2016 Nov 29;124:1006-1018.