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| Product Name | : ATM-3507 |
| Synonyms | : ATM3507; ATM 3507 |
| Cat No. | : M12876 |
| CAS Number | : 1861449-70-8 |
| Molecular Formula | : C37H46FN5O2 |
| Formula Weight | : 611.81 |
| Chemical Name | : (3-((2,3-dimethyl-1-(3-(4-methylpiperazin-1-yl)propyl)-1H-indol-5-yl)oxy)phenyl)(4-(4-fluorophenethyl)piperazin-1-yl)methanone |
| Description | : ATM-3507 (ATM3507) is a small molecule inhibitor of Tpm3.1 tropomyosin isoform, disrupts Tpm3.1-containing microfilaments in SK-N-SH cells at 5 uM; shows cancer cell cytotoxicity comparable with the first-in-class tool compound TR100, also shows a strong synergistic effect when TR100 or ATM-3507 were combined with antimicrotubule agents in both in vitro and in vivo neuroblastoma models. |
| Pathway | : Cytoskeleton/Cell Adhesion Molecules |
| Target | : Microtubule/Tubulin |
| Receptor | : Microtubule/Tubulin |
| Solubility | : — |
| SMILES | : <chem>O=C(C1=CC=CC(OC2=CC3=C(N(CCCN4CCN(C)CC4)C(C)=C3C)C=C2)=C1)N5CCN(CCC6=CC=C(F)C=C6)CC5</chem> |
| Storage | : (-20°C) |
| Stability | : ≥ 2 years |
| Reference | : |

1. Currier MA, et al. Mol Cancer Ther. 2017 Aug;16(8):1555-1565. | 2. Mitchell CB, et al. Cytoskeleton (Hoboken). 2018 Jul;75(7):307-317.

