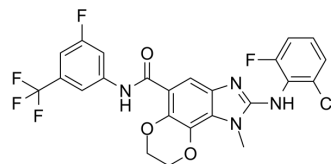


mPGES1-IN-3

| | |
|--------------------|---|
| Cat. No.: | HY-100864 |
| CAS No.: | 1469976-70-2 |
| Molecular Formula: | C ₂₄ H ₁₆ ClF ₅ N ₄ O ₃ |
| Molecular Weight: | 538.85 |
| Target: | PGE synthase |
| Pathway: | Immunology/Inflammation |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | mPGES1-IN-3 (Compound 17d) is a potent and selective microsomal prostaglandin E2 synthase-1 (mPGES-1) inhibitor, which exhibits excellent mPGES-1 enzyme (IC ₅₀ : 8 nM), cell (A549 IC ₅₀ : 16.24 nM) and human whole blood potency (IC ₅₀ : 249.9 nM) [1]. |
| IC ₅₀ & Target | IC ₅₀ : 8 nM (mPGES-1) ^[1] |

REFERENCES

[1]. Muthukaman N, et al. Discovery of 2-((2-chloro-6-fluorophenyl)amino)-N-(3-fluoro-5-(trifluoromethyl)phenyl)-1-methyl-7,8-dihydro-1H-[1,4]dioxino[2',3':3,4]benzo[1,2-d]imidazole-5-carboxamide as potent, selective and efficacious microsomal prostaglandin E2 synthase-1 (mPGES-1) inhibitor. *Bioorg Med Chem Lett*. 2016 Dec 15;26(24):5977-5984.

Caution: Product has not been fully validated for medical applications. For research use only.

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