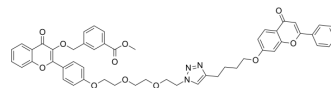


FD 12-9

Cat. No.:	HY-128685
CAS No.:	1451741-22-2
Molecular Formula:	C ₅₁ H ₄₇ N ₃ O ₁₁
Molecular Weight:	877.93
Target:	P-glycoprotein; BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FD 12-9 is a flavonoid dimer, acts as a dual inhibitor of P-gp and BCRP, with EC ₅₀ s of 285 nM and 0.9 nM, respectively. Anti-glioblastoma activity ^[1] .
IC ₅₀ & Target	EC ₅₀ : 0.9 nM (BCRP), 285 nM (P-gp) ^[1]

REFERENCES

[1]. Hu Xuesen, et al. Developing a novel strategy to treat glioblastoma : improving brain bioavailability of sorafenib with a synthetic flavonoid dimer to inhibit drug efflux in blood brain barrier.

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

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