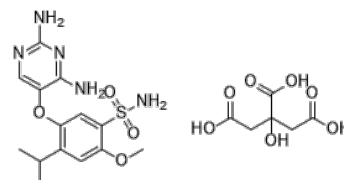


Product Name : Gefapixant citrate
Cat. No. : PC-25643
CAS No. : 2310299-91-1
Molecular Formula : C₂₀H₂₇N₅O₁₁S
Molecular Weight : 545.52
Target : P2X Receptor
Solubility : 10 mM in DMSO



Biological Activity

Gefapixant citrate (AF-219, MK-7264) is an orally active, small molecule antagonist of P2X₃-containing receptor with IC₅₀ of 30 nM (hP2X₃ homotrimer) and 100-250 nM (hP2X_{2/3} heterotrimer).

Gefapixant (AF-219, MK-7264) displays no inhibitory impact on any non-P2X₃ subunit containing receptors (IC₅₀ >10,000 nM at recombinant homotrimeric hP2X₁, hP2X₂, hP2X₄, rP2X₅ and hP2X₇ channels).

Gefapixant (AF-219, MK-7264) markedly and significantly reduced objective cough frequency in clinical trials.

References

Abdulqawi R, et al. Lancet. 2015 Mar 28;385(9974):1198-205.

Ford AP, et al. Front Cell Neurosci. 2013 Dec 19;7:267.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com