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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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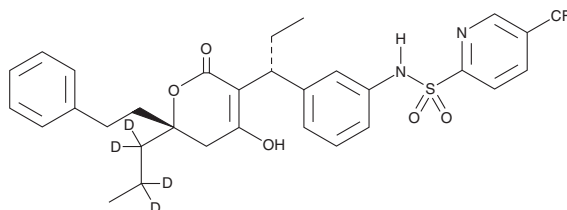
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PRODUCT INFORMATION



Tipranavir-d₄ Item No. 28907

CAS Registry No.: 1217819-15-2
Formal Name: N-(3-((R)-1-((R)-4-hydroxy-2-oxo-6-phenethyl-6-(propyl-1,1,2,2-d₄)-5,6-dihydro-2H-pyran-3-yl)propyl)phenyl)-5-(trifluoromethyl)pyridine-2-sulfonamide
MF: C₃₁H₂₉D₄F₃N₂O₅S
FW: 606.7
Chemical Purity: ≥95% (Tipranavir)
Deuterium Incorporation: ≥99% deuterated forms (d₁-d₄); ≤1% d₀
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Tipranavir-d₄ is intended for use as an internal standard for the quantification of tipranavir (Item No. 21028) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated versus unlabeled).

Tipranavir-d₄ is supplied as a solid. A stock solution may be made by dissolving the tipranavir-d₄ in the solvent of choice, which should be purged with an inert gas. Tipranavir-d₄ is soluble in organic solvents such as methanol and ethyl acetate.

Description

Tipranavir is a potent, orally bioavailable nonpeptidic HIV aspartyl protease inhibitor ($K_i = <1$ nM) that prevents cleavage and thus activation of functional HIV-cleaved proteins.^{1,2} Formulations containing tipranavir, in combination with other HIV treatments, are effective against multidrug resistant viruses and are used in the treatment of HIV infection progression in patients who have not responded well to initial treatments.

References

1. Thaisrivongs, S. and Strohbach, J.W. Structure-based discovery of Tipranavir disodium (PNU-140690E): A potent, orally bioavailable, nonpeptidic HIV protease inhibitor. *Biopoly.* **51**(1), 51-58 (1999).
2. Turner, S.R., Strohbach, J.W., Tommasi, R.A., et al. Tipranavir (PNU-140690): A potent, orally bioavailable nonpeptidic HIV protease inhibitor of the 5,6-dihydro-4-hydroxy-2-pyrone sulfonamide class. *J. Med. Chem.* **41**(18), 3467-3476 (1998).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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