

Arbidol Hydrochloride

Catalogue Number : 1313647

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Synonyms: Arbidol HCl, AK-57669, Umifenovir

Chemical Name: ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate;hydrochloride

Molecular Formula: C₂₂H₂₅BrN₂O₃

Molecular Weight: 513.9

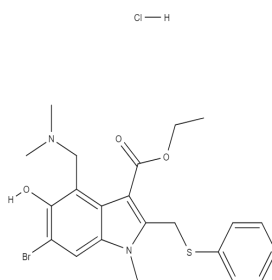
CAS Number: 131707-23-8

Purity: 98%

Applications: FA

Formulation: Crystalline solid

Storage: Product should be kept at -20°C.



Description

Arbitol Hydrochloride is a broad-spectrum indole-derivative antiviral agent that inhibits membrane fusion, preventing contact between the virus and the target host cells. It is currently being researched as a potential treatment for COVID-19.

Preparation & Storage

Soluble in organic solvents such as ethanol and DMSO. It is soluble in DMSO up to 15mg/ml.

References

1. Boriskin, Y. S., Leneva, I. A., Pecheur, E. I., Polyak, S. J. (2008). Arbidol: a broad-spectrum antiviral compound that blocks viral fusion. *Current medicinal chemistry*, 15(10), 997-1005.
2. Blaising, J., Polyak, S. J., Pcheur, E. I. (2014). Arbidol as a broad-spectrum antiviral: an update. *Antiviral research*, 107, 84-94.
3. ZhANG, J., WANG, W., PENG, B., PENG, W., ZHANG, Y., WANG, Y., ... ZHOU, Y. Potential of arbidol for post-exposure prophylaxis of COVID-19 transmission-preliminary report of a retrospective case-control study.