Product Specification Sheet

Product Name: Ambrisentan
Catalog Number: C2627

Technical information:
- Chemical Formula: C_{22}H_{22}N_{2}O_{4}
- CAS #: 177036-94-1
- Molecular Weight: 378.42
- Purity: >98%
- Appearance: white solid
- Solubility: Soluble in DMSO up to 100 mM
- Chemical Name: (S)-2-((4,6-dimethylpyrimidin-2-yl)oxy)-3-methoxy-3,3-diphenylpropanoic acid
- Storage: Store solid powder at 4°C desiccated; Store DMSO solution at -20°C.
- Shelf Life: In the unopened package, powder is stable for 1 year and DMSO solution is stable for 6 months under proper storage condition.

Handling:
- To make 10 mM stock solution, add 0.264mL of DMSO for each mg of Ambrisentan.
- For DMSO solution, briefly spin the vial at 500 rpm in a 50 mL conical tube to ensure maximum sample recovery.

Biological Activity: Ambrisentan is a propanoic acid–based, orally-available, endothelin receptor type A-receptor antagonist for the once-daily treatment of pulmonary arterial hypertension (PAH). It has >4000-fold selectivity for the type A receptor over type B receptor. Studies indicate that Ambrisentan has a low potential for drug interactions and at therapeutic concentrations does not inhibit UDP-glucuronosyltransferases or CYPs, or induce MDR protein 2 or P-gp. (1)

In contrast with other similar therapies, Ambrisentan has been shown to have a lower potential for increase of serum-level concentrations of aminotransferases. (2)

Reference:

To reorder: http://www.cellagentech.com/Ambrisentan/
For Technical Support: technical@cellagentech.com

Chemicals are sold for research use only, not for clinical or diagnostic use.