PRODUCT DATA SHEET

Spirohexenolide A

Code No.: BIA-S1698
Pack sizes: 0.1 mg, 0.5 mg

Synonyms:

Specifications

**CAS #** : 1193347-22-6
**Molecular Formula** : C_{25}H_{28}O_{5}
**Molecular Weight** : 408.5
**Source** : *Streptomyces sp.*
**Appearance** : Yellow solid
**Purity** : >95% by HPLC
**Long Term Storage** : -20°C
**Solubility** : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Spirohexenolide A is a spirotetronate isolated from *Streptomyces platensis* by Burkart and co-workers in 2013 as a potent antitumor agent. The original strain of *S. platensis* did not produce spirohexenolide A but the metabolite emerged on subsequent mutagenesis and media optimisation. Spirohexenolide A is a previously unknown tetracyclic metabolite with a 15-membered macrocyclic tetronic acid, most closely related to the 13-membered macrocyclic tetronic acids, tetromycins A and B. Spirohexenolide A was recently reported to modulate the action of human macrophage migration inhibitor factor (hMIF).

References