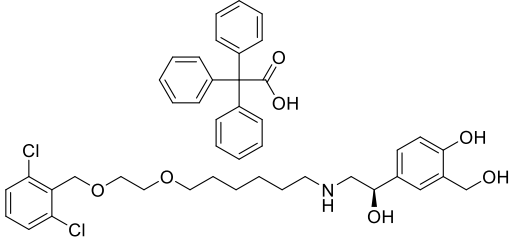


Product data sheet



MedKoo Cat#: 314240 Name: Vilanterol trifenate CAS#: 503070-58-4 (trifenate) Chemical Formula: C ₄₄ H ₄₉ Cl ₂ NO Exact Mass: 485.17358 Molecular Weight: 774.776	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

Vilanterol, also known as GW-642444, is a long-acting beta-2 agonist drug, which in May 2013 was approved in combination with fluticasone furoate for sale as Breo Ellipta by GlaxoSmithKline for the treatment of chronic obstructive pulmonary disease (COPD).

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	100.0	129.07
Ethanol	14.0	18.07

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.29 mL	6.45 mL	12.91 mL
5 mM	0.26 mL	1.29 mL	2.58 mL
10 mM	0.13 mL	0.65 mL	1.29 mL
50 mM	0.03 mL	0.13 mL	0.26 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

N/A

In vivo study

N/A

7. Bioactivity

Biological target:

Vilanterol trifenate (GW642444 trifenate) is a long-acting β 2-adrenoceptor (β 2-AR) agonist with inherent 24-hour activity.

In vitro activity

N/A

In vivo activity

N/A

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.

Product data sheet

