
Product Data Sheet

Product Name: Durvalumab

Cat. No.: GC35913

Chemical Properties

Cas. No. 1428935-60-7

SMILES [Durvalumab]

Formula M.Wt

Solubility Soluble in DMSO Storage Store at 4°C, do not freeze

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Durvalumab (anti-PD-L1) is a selective, high affinity human IgG1 mAb that blocks programmed cell death ligand-1 (PD-L1) binding to PD-1 (IC₅₀=0.1 nM) and CD80 (IC₅₀=0.04 nM). MW=146.3 kDa.

The labeled radioligand shows good affinity to high PD-L1 expression cells and could be blocked with excess unlabeled intact durvalumab.[1]

The peak tumor uptake of ¹²⁴I-Durva-F(ab')₂ was close to ¹²⁴I-Durva, but much earlier (5.29±0.42% ID/g for ¹²⁴I-Durva-F(ab')₂ at 12 h vs 5.18±0.73% ID/g for ¹²⁴I-Durva at 48 h). Compared with ¹²⁴I-Durva, an accelerated blood clearance was observed for ¹²⁴I-Durva-F(ab')₂, allowing for a higher tumor-to-background ratio.[1]

[1] Cheng Y, et al. Mol Pharm. 2022 Mar 4.

Caution: Product has not been fully validated for medical applications. For research use only.

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