

```

import requests
import os

DRUGBANK_API_KEY = os.getenv("DRUGBANK_API_KEY")

def get_drug_interactions(drug_list):
    if not DRUGBANK_API_KEY:
        return [{"drugs": "API Error", "description": "DrugBank API key missing", "type": "warning"}]

    interactions = []
    base_url = "https://api.drugbank.com/drugs"

    headers = {"Authorization": f"Bearer {DRUGBANK_API_KEY}"}

    for i in range(len(drug_list)):
        for j in range(i + 1, len(drug_list)):
            drug1 = drug_list[i].strip()
            drug2 = drug_list[j].strip()

            try:
                # Search for drug1
                response = requests.get(f"{base_url}?search={drug1}", headers=headers,
timeout=10)
                if response.status_code != 200:
                    continue
                data = response.json()
                if not
                    continue
                drug_id = data[0]["id"]

                # Get interactions for drug1
                inter_response = requests.get(f"{base_url}/{drug_id}/interactions", headers=headers,
timeout=10)
                if inter_response.status_code != 200:
                    continue
                inter_data = inter_response.json()

                # Check if drug2 is in interactions
                for interaction in inter_data.get("interactions", []):
                    target_name = interaction["drug"]["name"].lower()
                    if drug2.lower() in target_name or target_name in drug2.lower():
                        interactions.append({
                            "drugs": f"{drug1} + {drug2}",
                            "description": interaction["description"],

```

```
        "type": interaction["type"]
    })
except Exception as e:
    interactions.append({
        "drugs": f"{drug1} + {drug2}",
        "description": "Could not verify interaction (network error)",
        "type": "unknown"
    })
return interactions
```